JVC

SERVICE MANUAL

D-ILA PROJECTION TELEVISION

HD-56FH96,
HD-61FH96,
HD-70FH96

BASIC CHASSIS
RA

[HD-70FH96]

TABLE OF CONTENTS

1 PRECAUTION. 1-3
2 SPECIFIC SERVICE INSTRUCTIONS 1-7
3 DISASSEMBLY 1-10
4 ADJUSTMENT 1-31
5 TROUBLESHOOTING 1-39

COPYRIGHT © 2005 Victor Company of Japan, Limited

No.YA337
2005/12

SPECIFICATION

Items		Contents		
		HD-56FH96	**HD-61FH96**	**HD-70FH96**
Dimensions (W × H × D)		131.8 cm × 96.7 cm × 43.4 cm (52" × 38-1/8" × 17-1/8")	145.6 cm × 104.3 cm × 46.7 cm (57-3/8" × 41-1/8" × 18-3/8")	162.6 cm × 116.8 cm × 51.9 cm (64-1/8" × 46" × 20-1/2")
Mass		43 kg (95 lbs)	47 kg (104 lbs)	72 kg (159 lbs)
TV RF System (Analog / Digital)	Analog	CCIR (M)		
	Digital	ATSC terrestrial / Digital cable		
Color System (Analog)		NTSC		
Stereo System (Analog)		BTSC (Multi Channel Sound)		
Teletext System (Analog)		Closed caption (T1-T4 / CC1-CC4)		
TV Receiving Channels and Frequency (Analog)	VHF Low	02ch - 06ch : 54MHz - 88MHz		
	VHF High	07ch - 13ch : 174MHz - 216MHz		
	UHF	14ch - 69ch : 470MHz - 806MHz		
	CATV	54MHz - 804MHz Low Band : 02 - 06 High Band : 07 - 13 Mid Band : 14 - 22 Super Band : 23 - 36 Hyper Band : 37 - 64 Ultra Band : 65 - 94, 100 - 135 Sub Mid Band : 01, 96 - 99		
TV / CATV Total Channel		191 Channels		
Intermediate Frequency (Analog)	Video IF	45.75 MHz		
	Sound IF	41.25 MHz (4.5MHz)		
Color Sub Carrier Frequency (Analog)		3.58 MHz		
Power Input		AC120V, 60Hz		
Power Consumption		215W		220W
Projection Source		110W High-pressure mercury lamp		
Projection Device		D-ILA device (Reflection active matrix type LCD) x 3(R / G /B)		
Resolution		Total=H:1952 × V:1088 [Effective =H:1920 × V:1080]		
Screen		Transparent screen (unitized fresnel lens / lenticular lens), aspect ratio 16:9		
Screen Size		56" (142cm) Measured diagonally H:124 cm × V:69.7cm	61" (155cm) Measured diagonally H:135 cm × V:76.0cm	70" (178cm) Measured diagonally H:155.5 cm × V:87.2cm
Audio Power Output		10W + 10W		
Speaker		10cm round type × 2 (Oblique corn)		
Antenna Terminal (VHF/UHF, ATSC / DIGITAL CABLE IN)		F-type connector, 75Ω unbalanced, coaxial × 2		
Video / Audio Input [INPUT-1/2/3/4]	Component Video [INPUT-1/2]	RCA pin jack × 6		
	1125i / 750p	Y : 1V (p-p) (Sync signal: 0.35V(p-p), 3-value sync.), 75 Ω Pb/Pr : ±0.35V(p-p), 75 Ω		
	525p / 525i	Y : 1V (p-p), positive (Negative sync provided), 75 Ω Pb/Pr : 0.7V(p-p), 75 Ω		
	S-Video [INPUT-1/3/4]	Mini-DIN 4 pin × 3 Y: 1V (p-p), positive (Negative sync provided), 75 Ω C: 0.286V (p-p) (Burst signal), 75 Ω		
	Video	1V (p-p), positive (Negative sync provided), 75 Ω, RCA pin jack × 4		
	Audio	500mV (rms), high impedance, RCA pin jack × 8		
Digital Input	Video	HDMI 2-row 19pin connector × 2 (Digital-input terminal is not compatible with picture signals of personal computer)		
	Audio	Digital: HDMI 2-row 19pin connector × 21 Anarog: 500mV(rms) (-4dBs), high impedance, RCA pin jack × 2		
PC (RGB) Input		D-sub 3-row 15pin × 1 R/G/B : 0.7V (p-p), 75Ω HD / VD : 1V (p-p) to 5V (p-p), high impedance < Available signal > VGA : 640 pixels × 480 pixels (Horizontal : 31.5kHz / Vertical : 60Hz) XGA : 1024 pixels × 768 pixels (Horizontal : 48.4kHz / Vertical : 60Hz)		
Center Channel Input		500mV(rms) (-4dBs), high impedance, RCA pin jack × 1		
Monitor / Recording Output	S-Video	Mini-DIN 4pin × 1 Y: 1V (p-p), 75Ω C: 0.286V(p-p) (burst signal), 75Ω		
	Video	1V (p-p), 75Ω, RCA pin jack × 1		
	Audio	250mV(rms) (-10dBs), Fs-18dB low impedance, RCA pin jack × 2		
Audio Output		RCA pin jack × 2		
	Variable	More than 0 to 1000mV (rms) (+2.2dBs)		
	Fix	500mV(rms) (-4dBs), low impedance (1000Hz when modulated 100%)		
iLink Input/Output		TS In/Out (4-pin, S400) × 2, IEEE1394 compliant DTCP digital copy protection compatible		
Digital Audio Optical Output		Digital SPDIF × 1		
AV COMPULINK III		3.5mm mini jack × 1		
RS-232C		D-sub 2-row 9 pin [External control for TV set]		
Remote Control Unit		RM-C14G (AA/R6 / UM-3 battery × 2)		

Design & specifications are subject to change without notice.

SECTION 1
PRECAUTION

1.1 SAFETY PRECAUTIONS

(1) The design of this product contains special hardware, many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.

(2) Alterations of the design or circuitry of the products should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.

(3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. **Electrical components having such features are identified by shading on the schematics and by (⚠) on the parts list in Service manual**. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of Service manual may cause shock, fire, or other hazards.

(4) **Don't short between the LIVE side ground and ISOLATED (NEUTRAL) side ground or EARTH side ground when repairing.**

Some model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (⊥) side GND, the ISOLATED (NEUTRAL) : (⏚) side GND and EARTH : (⊜) side GND.

Don't short between the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND and never measure the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND at the same time with a measuring apparatus (oscilloscope etc.). If above note will not be kept, a fuse or any parts will be broken.

(5) When service is required, observe the original lead dress. Extra precaution should be given to assure correct lead dress in the high voltage circuit area. Where a short circuit has occurred, those components that indicate evidence of overheating should be replaced. Always use the manufacturer's replacement components.

(6) **Isolation Check (Safety for Electrical Shock Hazard)**

After re-assembling the product, always perform an isolation check on the exposed metal parts of the cabinet (antenna terminals, video/audio input and output terminals, Control knobs, metal cabinet, screw heads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

a) **Dielectric Strength Test**

The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 3000V AC (r.m.s.) for a period of one second. (. . . . Withstand a voltage of 1100V AC (r.m.s.) to an appliance rated up to 120V, and 3000V AC (r.m.s.) to an appliance rated 200V or more, for a period of one second.)

This method of test requires a test equipment not generally found in the service trade.

b) **Leakage Current Check**

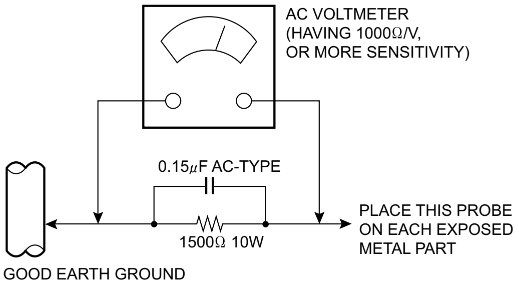
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5mA AC (r.m.s.).

However, in tropical area, this must not exceed 0.2mA AC (r.m.s.).

Alternate Check Method

Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Use an AC voltmeter having 1000Ω per volt or more sensitivity in the following manner. Connect a 1500Ω 10W resistor paralleled by a 0.15μF AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.). Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC (r.m.s.). This corresponds to 0.5mA AC (r.m.s.).

However, in tropical area, this must not exceed 0.3V AC (r.m.s.). This corresponds to 0.2mA AC (r.m.s.).



1.2 INSTALLATION

1.2.1 HEAT DISSIPATION

If the heat dissipation vent behind this unit is blocked, cooling efficiency may deteriorate and temperature inside the unit will rise. The temperature sensor that protects the unit will be activated when internal temperature exceeds the predetermined level and power will be turned off automatically.

Therefore, please make sure pay attention not to block the heat dissipation vent as well as the ventilation outlet behind the unit and ensure that there is room for ventilation around it.

Do not put foreign objects near the ventilation holes as this can result in fire or electrical hazards.

Do not block the ventilation holes as this may cause the internal temperature to rise and possibly result fire.

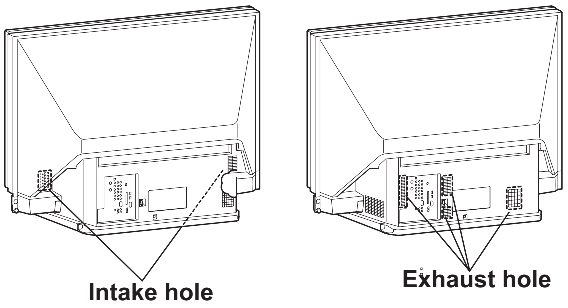


*Diagram differs from actual appearance.

1.2.2 INSTALLATION REQUIREMENTS

Ensure that the minimal distance is maintained, as specified fingure, between the unit with and the surrounding walls, as well as the floor etc.

Install the unit on stable flooring.

Take precautionary measures to prevent the unit from tipping in order to protect against accidents and earthquakes.

CAUTION FOR INSTALLATION

- Do not tilt the TV towards the left or right, or toward the back.
- Install the TV in a corner on the floor so as to keep cords out of the way.
- The TV will generate a slight amount of heat during operation. Ensure that sufficient space is available around the TV to allow satisfactory cooling.

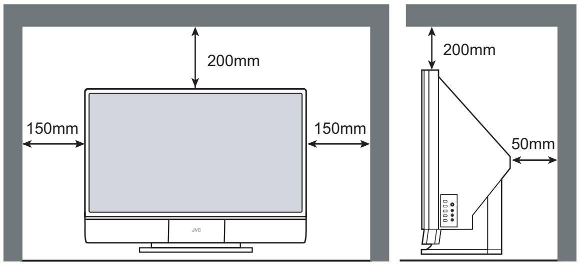
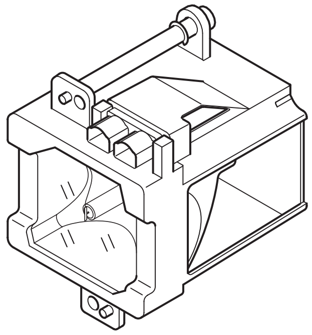


*Diagram differs from actual appearance.

1.3 LAMP UNIT HANDLING CAUTION

LAMP UNIT : TS-CL110UAA



1.3.1 PRECAUTION FOR LAMP UNIT

The lamp emits high intensity white, ultraviolet and infrared light. Do not look directly at the light during service.

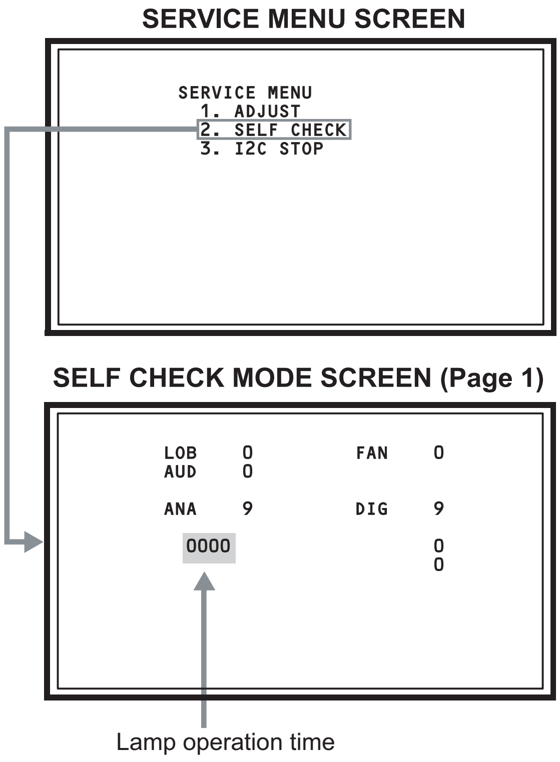
Also, do not touch the lamp directly as it presents a burn hazard.

Handle with extra care. This lamp emits high heat and contains high-pressure during use.

Do not give any impact as this may cause the broken lamp.

1.3.2 HOW TO CONFIRM LAMP OPERATING TIME

- MAXIMUM COUNT TIME= **65535 hours**
  (1) Set to **"0 minutes"** using the **[SLEEP TIMER]** key.
  (2) Press the **[VIDEO STATUS]** key and **[DISPLAY]** key simultaneously, then enter the SERVICE MODE.
  (3) When the Main Menu is displayed, press **[2]** key to enter the SELF CHECK MODE.
  (4) The use time of a lamp is displayed on middle of the screen by the hexadecimal number of 4 figures.



SERVICE MENU SCREEN

```
SERVICE MENU
  1. ADJUST
  2. SELF CHECK
  3. I2C STOP
```

SELF CHECK MODE SCREEN (Page 1)

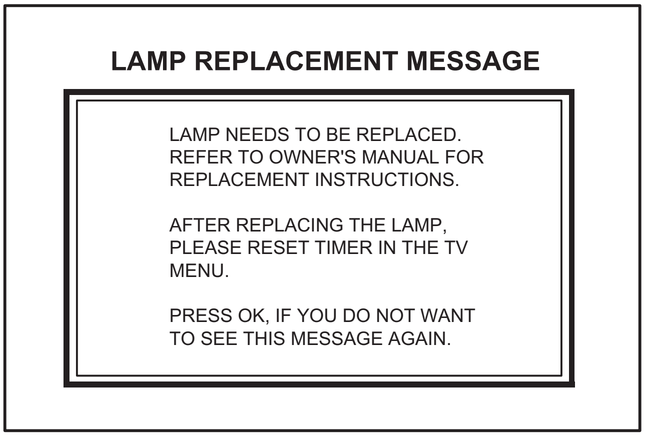
```
LOB   0          FAN   0
AUD   0

ANA   9          DIG   9

  0000                 0
                       0
```

1.3.3 LAMP UNIT REPLACEMENT

(1) The lamp replacement message will appear when need to change the lamp. After replace the lamp, need to reset the timer which is built into TV.
(2) Life of the lamp unit is about **6000 hours** over. Lamp use time can be check at the lamp message MENU.
(3) If Fig.1 message appears when turn the TV on, need to replace the lamp.
(4) Use the lamp timer reset only after replacing the lamp.

NOTE:

- This message will appear every time turn on the TV, when the lamp needs to be replaced. Press the **[OK]** key to make the message disappear, or replace the lamp.



LAMP REPLACEMENT MESSAGE

LAMP NEEDS TO BE REPLACED.
REFER TO OWNER'S MANUAL FOR
REPLACEMENT INSTRUCTIONS.

AFTER REPLACING THE LAMP,
PLEASE RESET TIMER IN THE TV
MENU.

PRESS OK, IF YOU DO NOT WANT
TO SEE THIS MESSAGE AGAIN.

Fig.1

1.3.4 HOW TO REPLACE THE LAMP UNIT

- Refer to the "**USERS GUIDE**" for a detailed operating description.

(1) Turn off the TV power.
(2) After the LAMP LED light has stopped blinking, disconnect the power cord from the AC outlet.
(3) Loosen 1 screw then take out the lamp cover below the left side of the TV.
(4) Loosen 2 screws then take out the lamp unit.
(5) Install the new lamp unit.
(6) Re-install the lamp cover.

NOTE:

- After installing the new lamp unit, do not forget to reset the lamp timer.

1.3.5 HOW TO RESET THE LAMP TIMER

- Refer to the "**USERS GUIDE**" for a detailed operating description.

(1) Press the **[MENU]** key to select CLOCK / TIMERS.
(2) Select the <LAMP TIMER RESET> with **[▲]** / **[▼]** keys.
(3) Enter the <LAMP TIMER RESET> mode the message will appears.
(4) Press the **[OK]** key while the above message appears on the screen.
(5) Turn off the power, then turn on the power.
(6) The lamp timer has now been reset, as before the HOW TO CONFIRM LAMP OPERATING TIME.

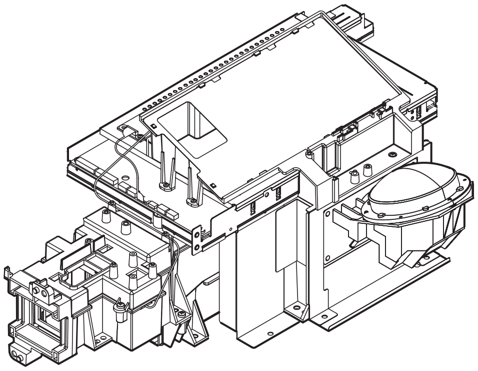
1.3.6 PRECAUTION FOR REPLACEMENT

- Do not replace the LAMP UNIT immediately after the projector has been used.
- The temperature of the LAMP UNIT is still high and could cause a burn.
- Allow a cooling period of 1 hour or more before performing replacement.
- Before starting LAMP UNIT replacement work, turn off the MAIN POWER switch, and disconnect the AC power cord plug from the wall outlet.
- If touched, the lamp glass surface may rupture and burns may result. Do not touch the glass portion or metal portion. Handle only plastic handle.
- The replaced old lamp can be discarded in the same manner as a fluorescent lamp. Check local ordinances and dispose of the used lamp as prescribed.

1.4 SERVICE PARTS KIT INSTRUCTIONS

Due to the character of this product, these OPTICAL /DRIVE ASS'Y are prepared.
Please note these OPTICAL/DRIVE ASS'Y when replacing or ordering the parts.

OPTICAL/DRIVE ASS'Y



1.4.1 PART NUMBER AND CONSTRUCTION

Kit parts number	Kit part name
TS-COP8A-SAA	OPTICAL / DRIVE ASS'Y

1.4.2 OPTICAL / DRIVE ASS'Y CONSTRUCTION

(1) OPTICAL BLOCK
(Included D-ILA DEVICE, PROJECTION LENS)
(2) OPTICAL BASE
(3) DRIVE PWB ASS'Y
This PWB is mounted with 1 memory IC saved with adjustment, setting data of the drive circuit.
(4) SHIELD COVER

*The following parts without the kits part.
- REMOTE SENSOR PWB ASS'Y
- LAMP UNIT
- LAMP FAN DUCT
- THERMOSTAT

1.4.3 PRECAUTION FOR USING

(1) In the case of the following defects/problems, replace this kit (OPTICAL/DRIVE ASS'Y)
  a) Picture defect caused by optical system/D-ILA device related parts.
  b) Picture defect caused by drive circuit.

(2) The DRIVE PWB ASS'Y is mounted with a memory IC [IC3753] saved with adjustment/setting data (GAMMA, SHADING, etc.) of the drive circuit.
The data of this memory IC is in the optimal state according to individual D-ILA devices and each section of the OPTICAL BLOCK.

(3) When replace the DRIVE PWB ASS'Y, take off the 1 memory IC from the original board and replace with new one. When replace the DRIVE PWB ASS'Y, do same manner. Replace 1 memory IC.

(4) After the replacement of the OPTICAL BLOCK, projection lens focus adjustment and drive convergence / projection adjustment are required.

1.5 SCREEN HANDLING CAUTIONS

1.5.1 SCREEN STORAGE

Store the SCREEN ASS'Y in a standing position in order to avoid deformation. If the screen is stored horizontally, there is risk of deforming the screen face.
When necessary to place the SCREEN ASS'Y horizontally, position the screen side upwards and sure to place spacers between the screen and resting site (floor or stand etc.) to prevent the screen from sagging.

1.5.2 SCREEN SURFACE

Since the screen surface is easily scratched or soiled, use ample care when handling.

1.5.3 PRECAUTIONS FOR CLEANING AND REPLACEMENT

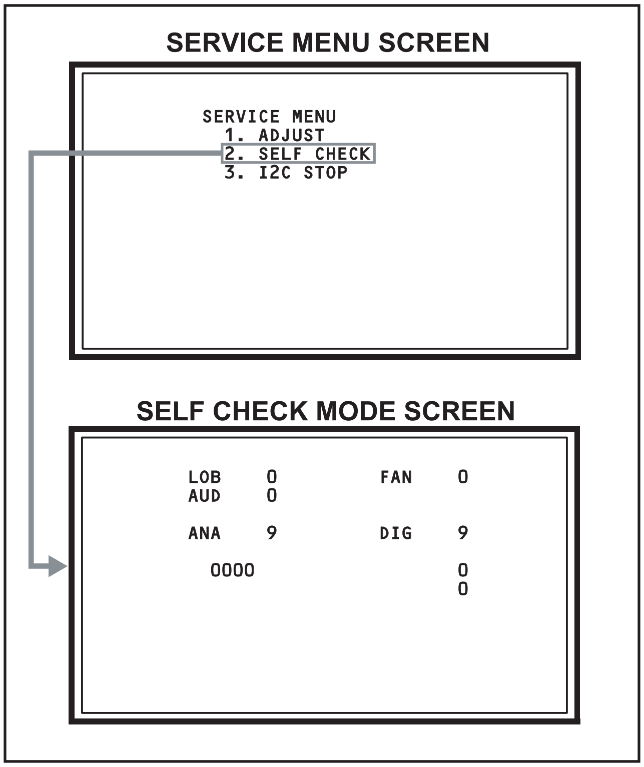
- The SCREEN ASS'Y is made from the lenticular lens and fresnel lens. The anti static proceeding and the surface of the lenticular lens. Rubbing the surface with something hard, the coating may peel off.
- When the screen is dirty, gently wipe it with a soft cloth.
If the screen is very dirty, wipe it down with a cloth dipped in a diluted kitchen cleaner (neutrality detergent) and thoroughly wrung-out. Then wipe immediately after with clean, dry cloth.
Never use the organic solvent such as the alcohol or benzine.
- The SCREEN ASS'Y replacement is required if the coating was peel off. Alkaline detergent or acidity detergent can not be be used.
- The notched side of the lenticular lens and the fresnel lens are faced each other.
- Do not rub the screen when cleaning it or replaceing it. Rubbing the screen may cause of the scratch of the screen by its notch.

SECTION 2
SPECIFIC SERVICE INSTRUCTIONS

2.1 SYSTEM SETTEING

Be sure to carry out the following operation at the end of the procedure.

(1) Set to **"0 minutes"** using the **[SLEEP TIMER]** key.
(2) While **"0 minutes"** is displayed, press the **[VIDEO STATUS]** key and **[DISPLAY]** key simultaneously, then enter the SERVICE MODE.
(3) When the SERVICE MENU SCREEN is displayed, press **[2]** key to enter the self check mode.
(4) Turn off the power by pressing the **[POWER]** key on the remote control unit.



2.2 FEATURES

Built in ATSC (Advanced Television Systems Committee) TUNER

This TV can receive both Digital broadcasting (ATSC) and Analogue broadcasting.

D.I.S.T. (Digital Image Scaling Technology)

This system uses line interpolation to double the number of scanning lines and achieve high resolution, flicker-free picture.

SMART CAPTION

Smart caption will appear when you press the MUTING button, only on channels where the broadcast contains CLOSED CAPTION information.

VIDEO STATUS

Expression of a favorite screen can be chosen by the VIDEO STATUS function.

DIGITAL INPUT

Digital-in will display when any picture signal in Digital-in is displayed.

V-CHIP

Since the V-CHIP is built in, it can choose, view and listen to a healthy program.

MTS STEREO

The voice multiplex function of the MTS system is built in. (MTS = Multi channel Television Sound system)

NATURAL CINEMA

Watching the movie or animation, press the Natural Cinema to adjust the out line of the images to make thin more sharp.

VIDEO INPUT LABEL

This function is used to label video input connections for the onscreen displays.

2.3 MAIN DIFFRENCE LIST

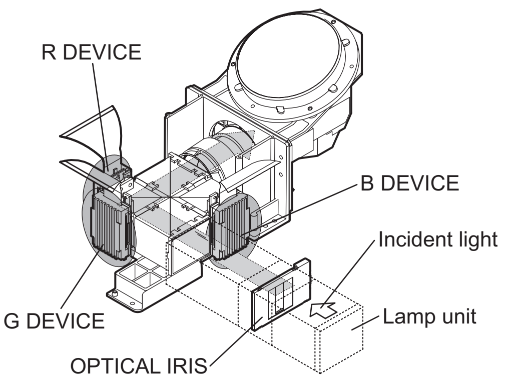
Item	HD-56FH96	HD-61FH96	HD-70FH96
MEDIA CARD VIEWER	NO	NO	YES
DIGITAL PWB	SRA0D003A-M2	SRA0D002A-M2	SRA0D001A-M2
ANALOG PWB	SRA-1002A-M2	←	SRA-1001A-M2
POWER PWB	SRA-9002A-M2	←	SRA-9001A-M2
CARD VIEWER PWB	--------	--------	SRP-8511A-M2

2.4 TECHNICAL INFORMATION

2.4.1 D-ILA DEVICE SPECIFICATION

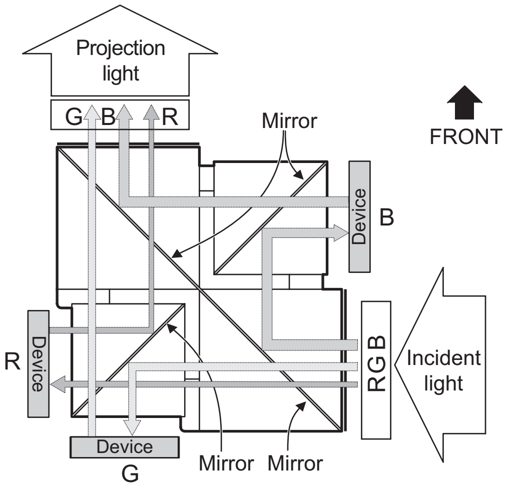
Item	Content
Resolution	H: 1952 × V:1088
Pixel number	about 2123776
Pixel size	H : 8.1μm × V :8.1μm
Aspect ratio	16 : 9
Contrast ratio	5000 : 1
Aperture ratio	89% or more
Effective pixel measurement	0.7 inch

2.4.2 PROJECTION UNIT


R DEVICE
B DEVICE
Incident light
G DEVICE
Lamp unit
OPTICAL IRIS

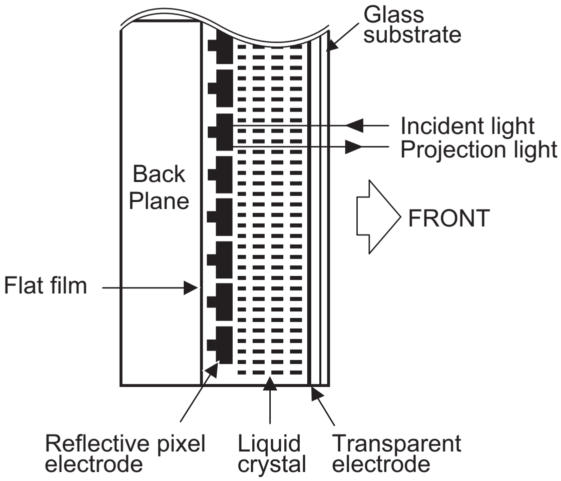
2.4.3 IMAGE LIGHT FLOW

DEVICE UNIT SECTION (TOP VIEW)

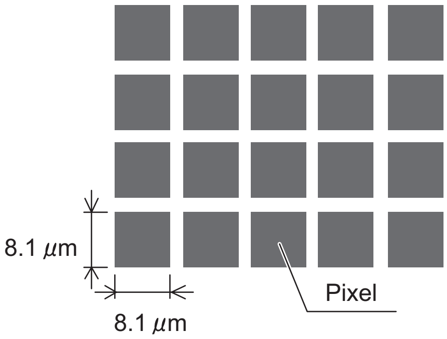

Projection light
G B R
Mirror
FRONT
Device
B
R
Device
RGB
Incident light
Device
G
Mirror
Mirror

2.4.4 D-ILA DEVICE STRUCTURE

R / G / B DEVICE (SIDE VIEW)


Glass substrate
Incident light
Projection light
Back Plane
FRONT
Flat film
Reflective pixel electrode
Liquid crystal
Transparent electrode

PIXEL VIEW (FRONT VIEW)


8.1 μm
8.1 μm
Pixel

2.4.5 MAIN CPU PIN FUNCTION [IC7601 : DIGITAL PWB ASS'Y]

Pin	Pin name	I/O	Function	Pin	Pin name	I/O	Function
1	VHOLD1	I	Data slice for main screen closed caption	51	NC	O	Not used
2	HFLT1	I/O	LPF for main screen closed caption video input	52	NC	O	Not used
3	NC	O	Not used	53	NC	O	Not used
4	NC	O	Not used	54	NC	O	Not used
5	DIGR0	O	R [0] for OSD	55	NC	O	Not used
6	TB1in	I	AC power for timer clock	56	NC	O	Not used
7	REMO	I	Remote control	57	NC	O	Not used
8	BYTE	I	Data bus width select [L = 16bit (fixed)]	58	NC	O	Not used
9	CNVss	I	CPU programming mode select [Normal = L]	59	NC	O	Not used
10	DIGG0	O	G [0] for OSD	60	NC	O	Not used
11	DIGB0	O	B [0] for OSD	61	NC	O	Not used
12	RESET	I	Reset for main CPU [Reset = L]	62	HSYNC	I	H. sync for OSD
13	Xout	O	System clock osillation (crystal) : 16MHz	63	NC	O	Not used
14	Vss	-	GND	64	VSYNC	I	V. sync for OSD
15	Xin	I	System clock osillation (crystal) : 16MHz	65	NC	O	Not used
16	VccI	I	3.3V stand-by power supply	66	NC	O	Not used
17	OSC1	I	Clock for OSD	67	NC	O	Not used
18	OSC2	O	Not used : Clock for OSD	68	NC	O	Not used
19	INT1	I	AV COMPULINK control	69	NC	O	Not used
20	INT0	I	Request for sub(chassis) CPU communication (serial data)	70	NC	O	Not used
21	OUT1	O	Ys (blanking) for OSD	71	P2.1	O	Clock for Inter IC (serial) bus control
22	OUT2	O	YM (transparence) for OSD	72	P2.0	I/O	Data for Inter IC (serial) bus control
23	NC	O	Not used	73	NC	O	Not used
24	NC	O	Not used	74	NC	O	Not used
25	NC	O	Not used	75	NC	O	Not used
26	NC	O	Not used	76	NC	O	Not used
27	CTA2/RTS2	O	Not used	77	NC	O	Not used
28	CLK2	O	Not used	78	NC	O	Not used
29	RxD2	I	Digital tuner control	79	NC	O	Not used
30	TxD2	O	Digital tuner control	80	P1.0	O	Function LED lighting
31	SDA2	I/O	Not used	81	P0.7	O	Communication LED lighting
32	DIGR1	O	R [1] for OSD	82	P0.6	O	Test point
33	DIGG1	O	G [1] for OSD	83	NC	O	Not used
34	DIGB1	O	B [1] for OSD	84	WAKE	O	Reset for sub(chassis) CPU
35	TxD0	I	Data receive (serial) for external programming	85	CARD_DET	I	Not used
36	RxD0	O	Data transmission (serial) for external programming	86	POWER_SW	I	Power switch (mechanical) detection
37	CLK0	I	Clock for external programming	87	SDA	I/O	Data for Inter IC (serial) bus control : memory
38	RTS0	O	Busy for external programming [Operation = H]	88	SLC	O	Clock for Inter IC (serial) bus control : memory
39	P5.7	I	Not used	89	DIGR2	O	R [2] for OSD
40	P5.6	O	Not used	90	DIGG2	O	G [2] for OSD
41	HOLD	I	CPU programming mode select [Normal = H]	91	DIGB2	O	B [2] for OSD
42	P5.4	O	Not used	92	NC	O	Not used
43	P5.3	O	Not used	93	KEY2	I	Key scan data for front control button (MENU/CH+/CH-) KEY2
44	P5.2	O	Not used	94	KEY1	I	Key scan data for front control button (INPUT/VOL+/VOL-) KEY1
45	P5.1	O	Not used	95	VHOLD2	I	Data slice for sub screen closed caption
46	WR	O	CPU programming mode select [Normal = L]	96	HLF2	I/O	LPF for sub screen closed caption video input
47	P4.7	O	Data transmission for sub(chassis) CPU communication (serial)	97	CVIN2	I	Video(Y) for sub screen closed caption
48	P4.6	I	Data receive for sub(chassis) CPU communication (serial)	98	TVSETB	I	Test terminal [L Fixed]
49	P4.5	I	Clock for sub(chassis) CPU communication (serial)	99	VCCE	I	5V stand-by power supply
50	P4.4	O	Not used	100	CVIN1	I	Video(Y) for main screen closed caption

SECTION 3
DISASSEMBLY

3.1 DISASSEMBLY PROCEDURE

CAUTION AT DISASSEMBLY:

- **Be sure to perform the SYSTEM SETTEING, at the end of the procedure.**
- Make sure that the power cord is disconnected from the outlet.
- Pay special attention not to break or damage the parts.
- When removing each board, remove the connectors as required. Taking notes of the connecting points (connector numbers) makes service procedure manageable.
- Make sure that there is no bent or stain on the connectors before inserting, and firmly insert the connectors.
- Wait until the LAMP UNIT has cool down is completely.
- While not in repair service, place the chassis back its original position.

3.1.1 FRONT SIDE DISASSEMBLY [HD-56FH96]

3.1.1.1 REMOVING THE SPEAKER GRILL (Fig.1)

(1) Remove the 2 screws **[A]**.
(2) Remove the SPEAKER GRILL.

NOTE:

As a speaker grille is depressed downward, it is removed.

3.1.1.2 REMOVING THE ORNAMENT PANEL (Fig.1)

- Remove the SPEAKER GRILL.

(1) Remove the 6 screws **[B]**.
(2) Remove the ORNAMENT PANEL.

3.1.1.3 REMOVING THE CENTER PANEL (Fig.1)

- Remove the SPEAKER GRILL.

(1) Remove the 4 screws **[C]**.
(2) Remove the CENTER PANEL.

3.1.1.4 REMOVING THE FRONT LED PWB (Fig.1)

- Remove the SPEAKER GRILL.

(1) Remove the 2 screws **[D]**.
(2) Remove the FRONT LED PWB.

NOTE:

Remove the earth wire connected to the FRONT LED PWB simultaneously.

3.1.1.5 REMOVING THE SPEAKER (Fig.1)

- Remove the SPEAKER GRILL.

(1) Remove the 4 screws **[E]**.
(2) Remove the SPEAKER.
(3) Remove the opposite SPEAKER same steps.

3.1.1.6 REMOVING THE CENTER COVER (Fig.1)

- Remove the SPEAKER GRILL.

(1) Remove the 2 screws **[F]**.
(2) Remove the CENTER COVER.

3.1.1.7 REMOVING THE FRONT PANEL (Fig.1)

- Remove the SPEAKER GRILL.

(1) Remove the 10 screws **[G]**.
(2) Remove the 12 screws **[H]**.
(3) Remove the FRONT PANEL.

3.1.1.8 REMOVING THE SCREEN BLOCK (Fig.1)

- Remove the SPEAKER GRILL.
- Remove the FRONT PANEL.

(1) Remove the 8 screws **[J]**.
(2) Remove the FRONT PANEL.

CAUTION :

- Place the SCREEN BLOCK on a flat table without fail.
- Because of the large size, at least 2 persons are recommended for removal and reassemble.
- Use care not to scratch the screen during work.
- During assembly, be sure to engage the left and right tabs with the cabinet mounting positions.
- When supporting the SCREEN BLOCK, avoid grasping the top of the screen panel, instead grasp the left and right areas.
- Do not leave the SCREEN BLOCK removed for long time to prevent soiling from dust.

3.1.1.9 REMOVING THE SCREEN ASS'Y (Fig.1)

- Remove the SPEAKER GRILL.
- Remove the FRONT PANEL.
- Remove the SCREEN BLOCK.

(1) Remove the 12 screws **[K]**.
(2) Remove the SCREEN ASS'Y.

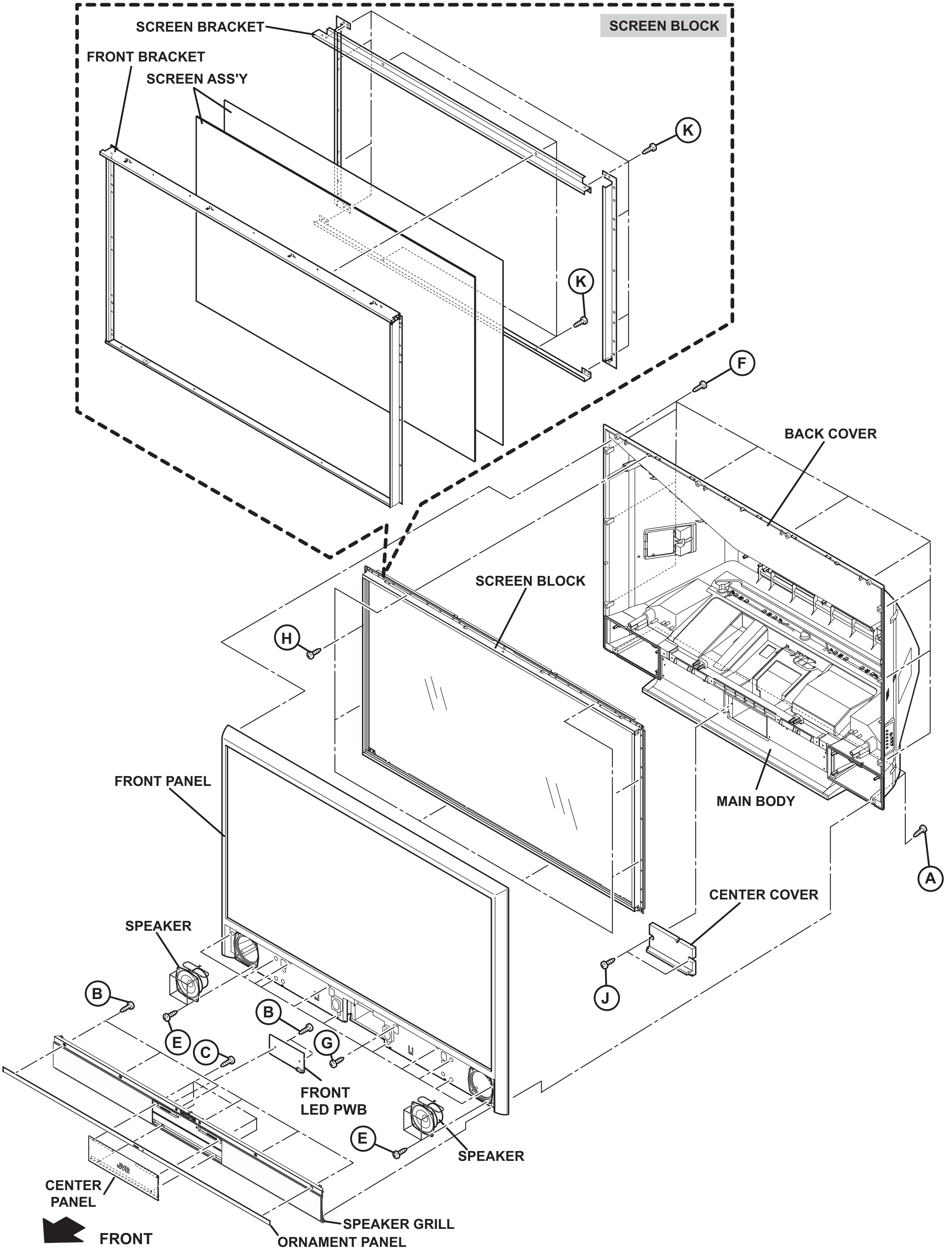

SCREEN BRACKET
SCREEN BLOCK
FRONT BRACKET
SCREEN ASS'Y
K
K
F
BACK COVER
SCREEN BLOCK
H
FRONT PANEL
MAIN BODY
A
CENTER COVER
SPEAKER
B
J
B
E
C
G
FRONT
LED PWB
E
SPEAKER
CENTER
PANEL
SPEAKER GRILL
FRONT
ORNAMENT PANEL

Fig.1

3.1.1.10 REMOVING THE MIRROR (Fig.2)

- Remove the SPEAKER GRILL.
- Remove the FRONT PANEL.
- Remove the SCREEN BLOCK.
  (1) Remove the 4 screws **[A]** attaching the MIRROR HOLDER of the upper side.
  (2) Remove the 6 screws **[B]** attaching the MIRROR HOLDER of left and right side.
  (3) Raise slightly to disengage of the MIRROR from the bottom holder
  (4) Remove the MIRROR.

NOTE :

- Do not touch the front of the MIRROR.
- Do not shock the the MIRROR.
- Because of the large size, at least 2 persons are recommended for removal and reassemble.

3.1.1.11 REMOVING THE SIDE CONTROL PWB (Fig.2)

- Remove the SPEAKER GRILL.
- Remove the FRONT PANEL.
- Remove the SCREEN BLOCK.
  (1) Remove the 2 screws **[C]**.
  (2) Remove the SIDE CONTROL BASE.
  (3) Remove the 2 screws **[D]**.
  (4) Remove the SIDE CONTROL PWB.

3.1.1.12 REMOVING THE SUPPORT HOLDER (Fig.2)

- Remove the SPEAKER GRILL.
- Remove the FRONT PANEL.
- Remove the SCREEN BLOCK.
  (1) Remove the 2 screws **[E]**.
  (2) Remove the SUPPORT HOLDER.

3.1.1.13 REMOVING THE BACK COVER (Fig.2)

- Remove the SPEAKER GRILL.
- Remove the FRONT PANEL.
- Remove the SCREEN BLOCK.
- Remove the SUPPORT HOLDER.
  (1) Remove the 6 screws **[F]** and the 2 screws **[G]**.
  (2) Remove the BACK COVER

CAUTION :

- Because of the large size, at least 2 persons are recommended for removal and reassemble.

3.1.1.14 REMOVING THE SPEAKER BOX (Fig.2)

- Remove the SPEAKER GRILL.
- Remove the FRONT PANEL.
- Remove the SCREEN BLOCK.
- Remove the SUPPORT HOLDER.
- Remove the BACK COVER.
  (1) Remove the 2 screws **[H]**.
  (2) Remove the SPEAKER BOX.
  (3) Remove the opposite SPEAKER BOX same steps.

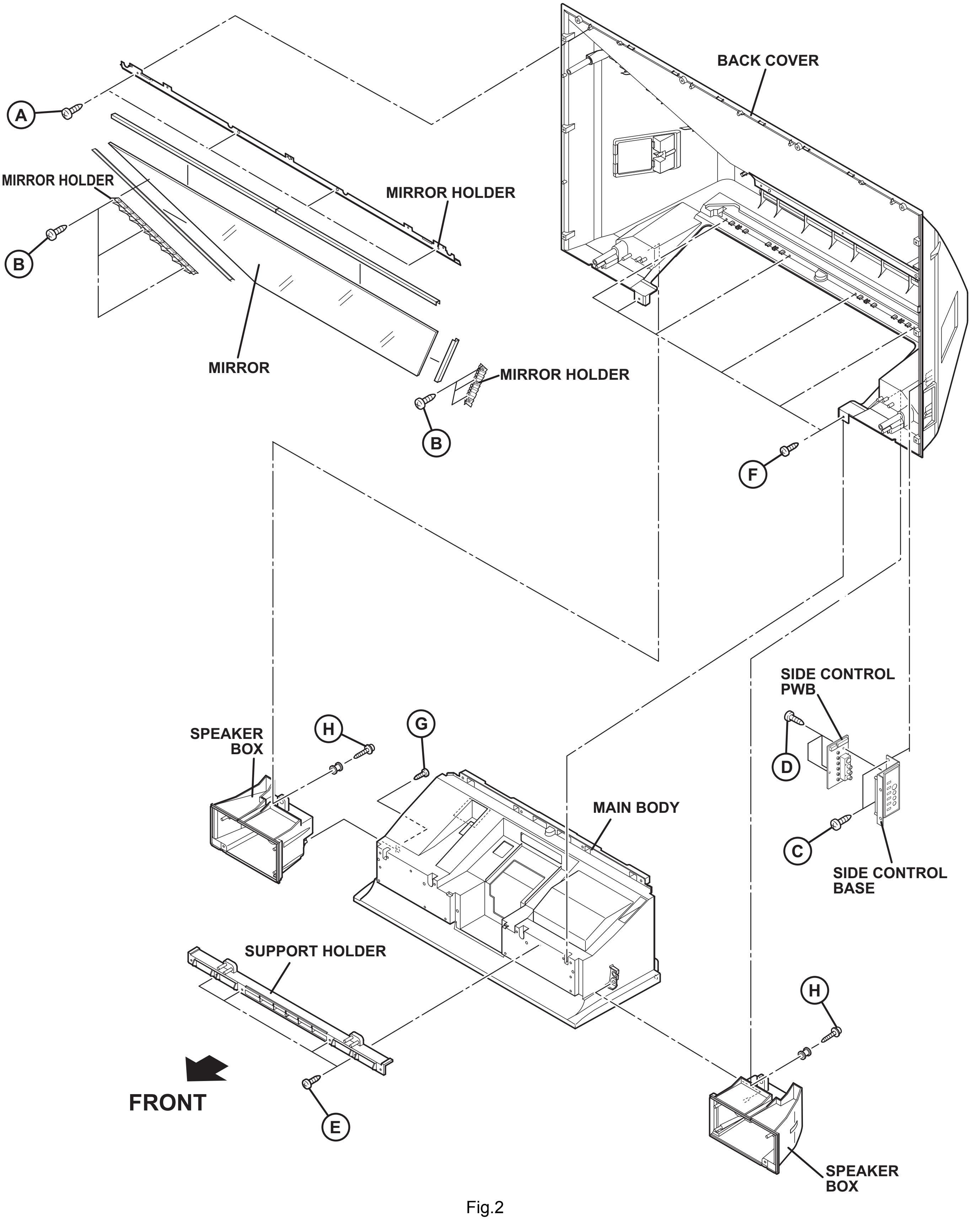

BACK COVER
A
MIRROR HOLDER
MIRROR HOLDER
B
MIRROR
MIRROR HOLDER
B
F
SIDE CONTROL PWB
D
SPEAKER BOX
H
G
MAIN BODY
C
SIDE CONTROL BASE
SUPPORT HOLDER
H
FRONT
E
SPEAKER BOX

Fig.2

3.1.2 FRONT SIDE DISASSEMBLY [HD-61FH96]

3.1.2.1 REMOVING THE SPEAKER GRILL (Fig.3)

(1) Remove the 2 screws **[A]**.
(2) Remove the SPEAKER GRILL.

NOTE :

As a speaker grille is depressed downward, it is removed.

3.1.2.2 REMOVING THE ORNAMENT PANEL (Fig.3)

- Remove the SPEAKER GRILL.

(1) Remove the 6 screws **[B]**.
(2) Remove the ORNAMENT PANEL.

3.1.2.3 REMOVING THE CENTER PANEL (Fig.3)

- Remove the SPEAKER GRILL.

(1) Remove the 4 screws **[C]**.
(2) Remove the CENTER PANEL.

3.1.2.4 REMOVING THE FRONT LED PWB (Fig.5)

- Remove the SPEAKER GRILL.

(1) Remove the 2 screws **[D]**.
(2) Remove the FRONT LED PWB.

NOTE :

Remove the earth wire connected to the FRONT LED PWB simultaneously.

3.1.2.5 REMOVING THE FRONT PANEL WITH SCREEN ASS'Y (Fig.3)

- Remove the SPEAKER GRILL.

(1) Remove the 10 screws **[E]** and 4 screws **[F]**.
(2) Remove the FRONT PANEL with SCREEN ASS'Y.

CAUTION :

- Place the FRONT PANEL with SCREEN ASS'Y on a flat table without fail.
- Because of the large size, at least 2 persons are recommended for removal and reassemble.
- Use care not to scratch the screen during work.
- Do not leave the FRONT PANEL with SCREEN ASS'Y removed for long time to prevent soiling from dust.

3.1.2.6 REMOVING THE SCREEN ASS'Y (Fig.3)

- Remove the SPEAKER GRILL.
- Remove the FRONT PANEL with SCREEN ASS'Y.

(1) Remove the 20 screws **[G]** and 4 screws **[H]**.
(2) Remove the SCREEN BRACKET.
(3) Remove the SCREEN ASS'Y from the FRONT PANEL.

3.1.2.7 REMOVING THE CENTER COVER (Fig.3)

- Remove the SPEAKER GRILL.
- Remove the FRONT PANEL with SCREEN ASS'Y.

(1) Remove the 2 screws **[J]**.
(2) Remove the CENTER COVER.

3.1.2.8 REMOVING THE SPEAKER (Fig.3)

- Remove the SPEAKER GRILL.
- Remove the FRONT PANEL with SCREEN ASS'Y.

(1) Remove the 4 screws **[K]**.
(2) Remove the SPEAKER.
(3) Remove the opposite SPEAKER same steps.

3.1.2.9 REMOVING THE SPEAKER PLATE (Fig.3)

- Remove the SPEAKER GRILL.
- Remove the FRONT PANEL with SCREEN ASS'Y.
- Remove the SPEAKER.

(1) Remove the 6 screws **[L]**.
(2) Remove the SPEAKER PLATE.

3.1.2.10 REMOVING THE BACK COVER FILTER (Fig.3)

- Remove the SPEAKER GRILL.
- Remove the FRONT PANEL with SCREEN ASS'Y.

(1) Remove the 1 screw **[M]**.
(2) Remove the FILTER COVER with BACK COVER FILTER.
(3) Remove the BACK COVER FILTER from FILTER COVER.

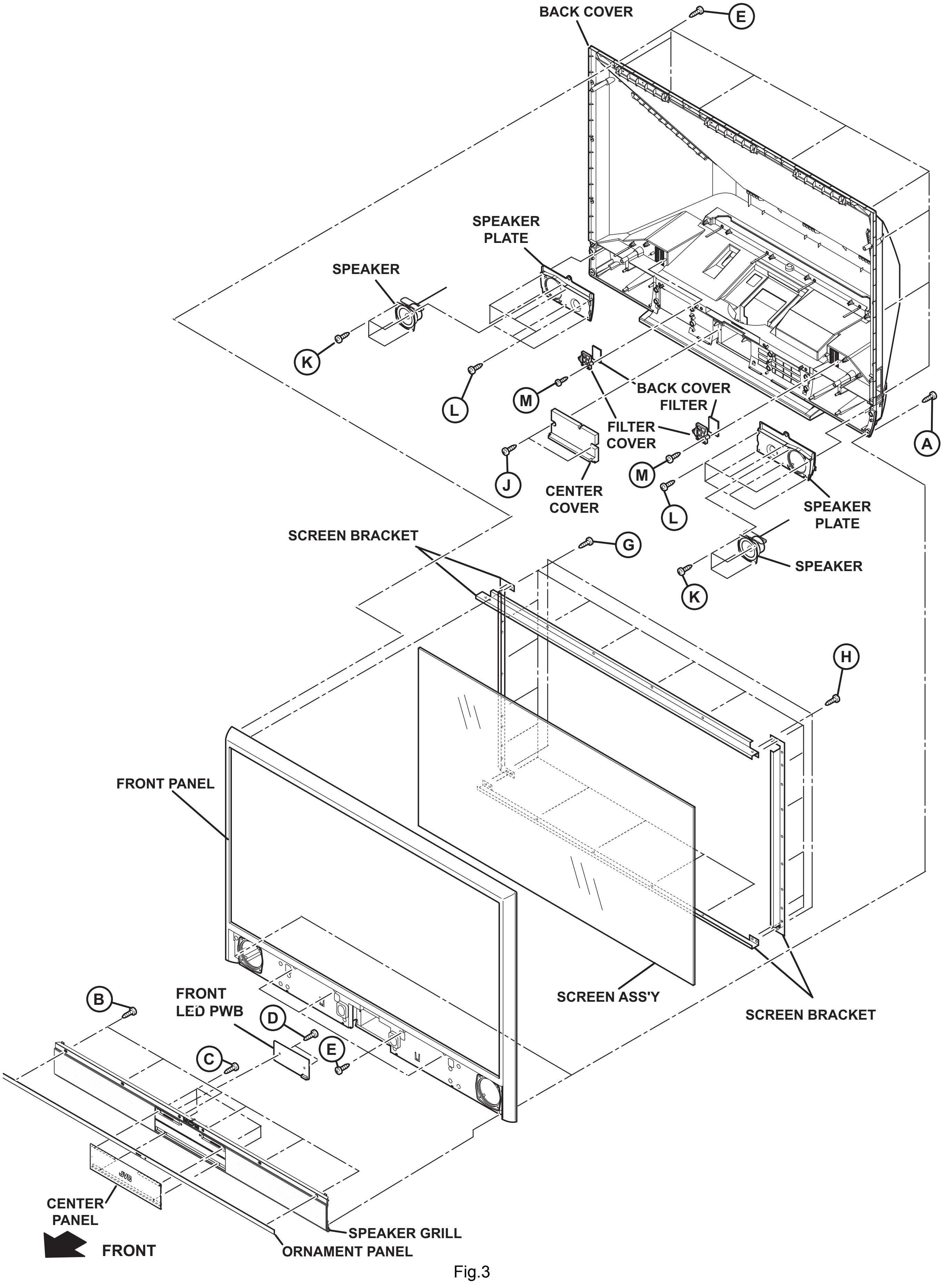

BACK COVER
E
SPEAKER PLATE
SPEAKER
K
L
M
BACK COVER FILTER
FILTER COVER
A
J
CENTER COVER
M
L
SPEAKER PLATE
SCREEN BRACKET
G
SPEAKER
K
H
FRONT PANEL
B
FRONT LED PWB
D
E
C
SCREEN ASS'Y
SCREEN BRACKET
CENTER PANEL
SPEAKER GRILL
FRONT
ORNAMENT PANEL

Fig.3

3.1.2.11 REMOVING THE MIRROR (Fig.4)

- Remove the SPEAKER GRILL.
- Remove the FRONT PANEL.
  1. (1) Remove the 6 screws **[A]** attaching the MIRROR HOLDER of the upper side.
  2. (2) Remove the 6 screws **[B]** attaching the MIRROR HOLDER of left and right side.
  3. (3) Raise slightly to disengage of the MIRROR from the bottom holder
  4. (4) Remove the MIRROR.

NOTE :

- Do not touch the front of the MIRROR.
- Do not shock the MIRROR.
- Because of the large size, at least 2 persons are recommended for removal and reassemble.

3.1.2.12 REMOVING THE SIDE CONTROL PWB (Fig.4)

- Remove the SPEAKER GRILL.
- Remove the FRONT PANEL.

(1) Remove the 2 screws **[C]**.
(2) Remove the SIDE CONTROL BASE.
(3) Remove the 2 screws **[D]**.
(4) Remove the SIDE CONTROL PWB.

3.1.2.13 REMOVING THE CORNER COVER (Fig.4)

- Remove the SPEAKER GRILL.
- Remove the FRONT PANEL.

(1) Remove the 1 screw **[E]**.
(2) Remove the CORNER COVER.
(3) Remove the opposite CORNER COVER same steps.

3.1.2.14 REMOVING THE BACK COVER (Fig. 4)

- Remove the SPEAKER GRILL.
- Remove the FRONT PANEL.
- Remove the SPEAKER and SPEAKER PLATE.

(1) Remove the 2 screws **[F]**, 9 screws **[G]** and 6 screws **[H]**.
(2) Remove the BACK COVER from MAIN BODY.

CAUTION :

- Because of the large size, at least 2 persons are recommended for removal and reassemble.

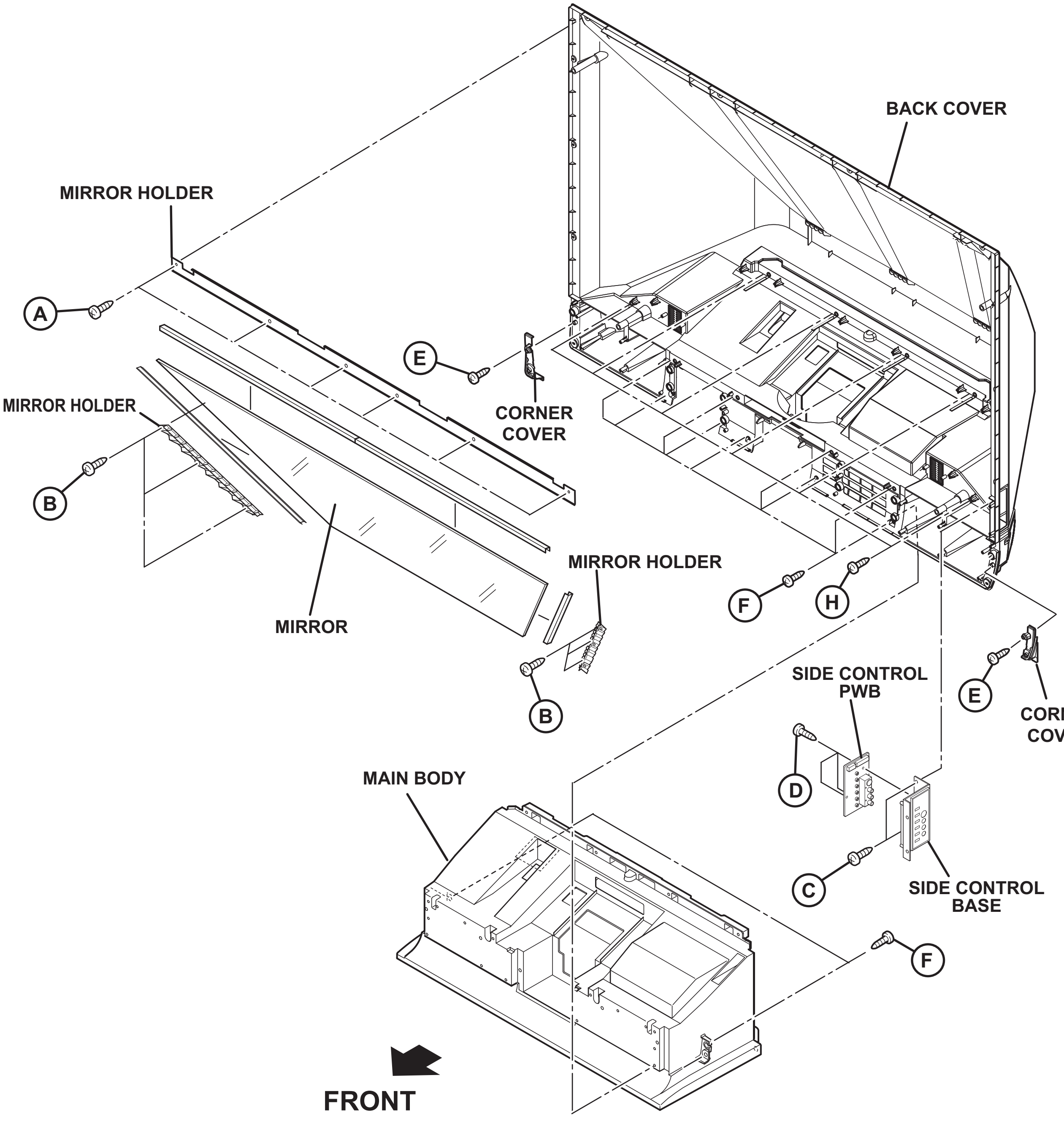

BACK COVER
MIRROR HOLDER
A
E
MIRROR HOLDER
CORNER COVER
B
MIRROR HOLDER
MIRROR
F
H
B
SIDE CONTROL PWB
E
CORNER COVER
MAIN BODY
D
C
SIDE CONTROL BASE
F
FRONT

Fig.4

3.1.3 FRONT SIDE DISASSEMBLY [HD-70FH96]

3.1.3.1 REMOVING THE SPEAKER GRILL (Fig.5)

(1) Remove the 2 screws **[A]**.
(2) Remove the SPEAKER GRILL.

NOTE :

As a speaker grille is depressed downward, it is removed.

3.1.3.2 REMOVING THE ORNAMENT PANEL (Fig.5)

- Remove the SPEAKER GRILL.

(1) Remove the 6 screws **[B]**.
(2) Remove the ORNAMENT PANEL.

3.1.3.3 REMOVING THE CENTER PANEL (Fig.5)

- Remove the SPEAKER GRILL.

(1) Remove the 4 screws **[C]**.
(2) Remove the CENTER PANEL.

3.1.3.4 REMOVING THE FRONT LED PWB (Fig.5)

- Remove the SPEAKER GRILL.

(1) Remove the 2 screws **[D]**.
(2) Remove the FRONT LED PWB.

NOTE :

Remove the earth wire connected to the FRONT LED PWB simultaneously.

3.1.3.5 REMOVING THE SPEAKER (Fig.5)

- Remove the SPEAKER GRILL.

(1) Remove the 4 screws **[E]**.
(2) Remove the SPEAKER.
(3) Remove the opposite SPEAKER same steps.

3.1.3.6 REMOVING THE FRONT PANEL (Fig.5)

- Remove the SPEAKER GRILL.
- Remove the SPEAKER.

(1) Remove the 10 screws **[F]** from rear side.
(2) Remove the 20 screws **[G]** from front side.
(3) Remove the FRONT PANEL.

3.1.3.7 REMOVING THE SCREEN BLOCK (Fig.5)

- Remove the SPEAKER GRILL.
- Remove the SPEAKER.
- Remove the FRONT PANEL.

(1) Remove the 6 screws **[H]** and 8 screws **[J]**.
(2) Remove the SCREEN BLOCK.

CAUTION :

- Place the SCREEN BLOCK on a flat table without fail.
- Because of the large size, at least 2 persons are recommended for removal and reassemble.
- Use care not to scratch the screen during work.
- During assembly, be sure to engage the left and right tabs with the cabinet mounting positions.
- When supporting the SCREEN BLOCK, avoid grasping the top of the screen panel, instead grasp the left and right areas.
- Do not leave the SCREEN BLOCK removed for long time to prevent soiling from dust.

3.1.3.8 REMOVING THE SCREEN ASS'Y (Fig.5)

- Remove the SPEAKER GRILL.
- Remove the SPEAKER.
- Remove the FRONT PANEL.
- Remove the SCREEN BLOCK.

(1) Remove the 12 screws **[K]**.
(2) Remove the SCREEN BRACKET and SCREEN ASS'Y.

3.1.3.9 REMOVING THE CENTER COVER (Fig.5)

- Remove the SPEAKER GRILL.
- Remove the FRONT PANEL.

(1) Remove the 2 screws **[L]**.
(2) Remove the CENTER PANEL.

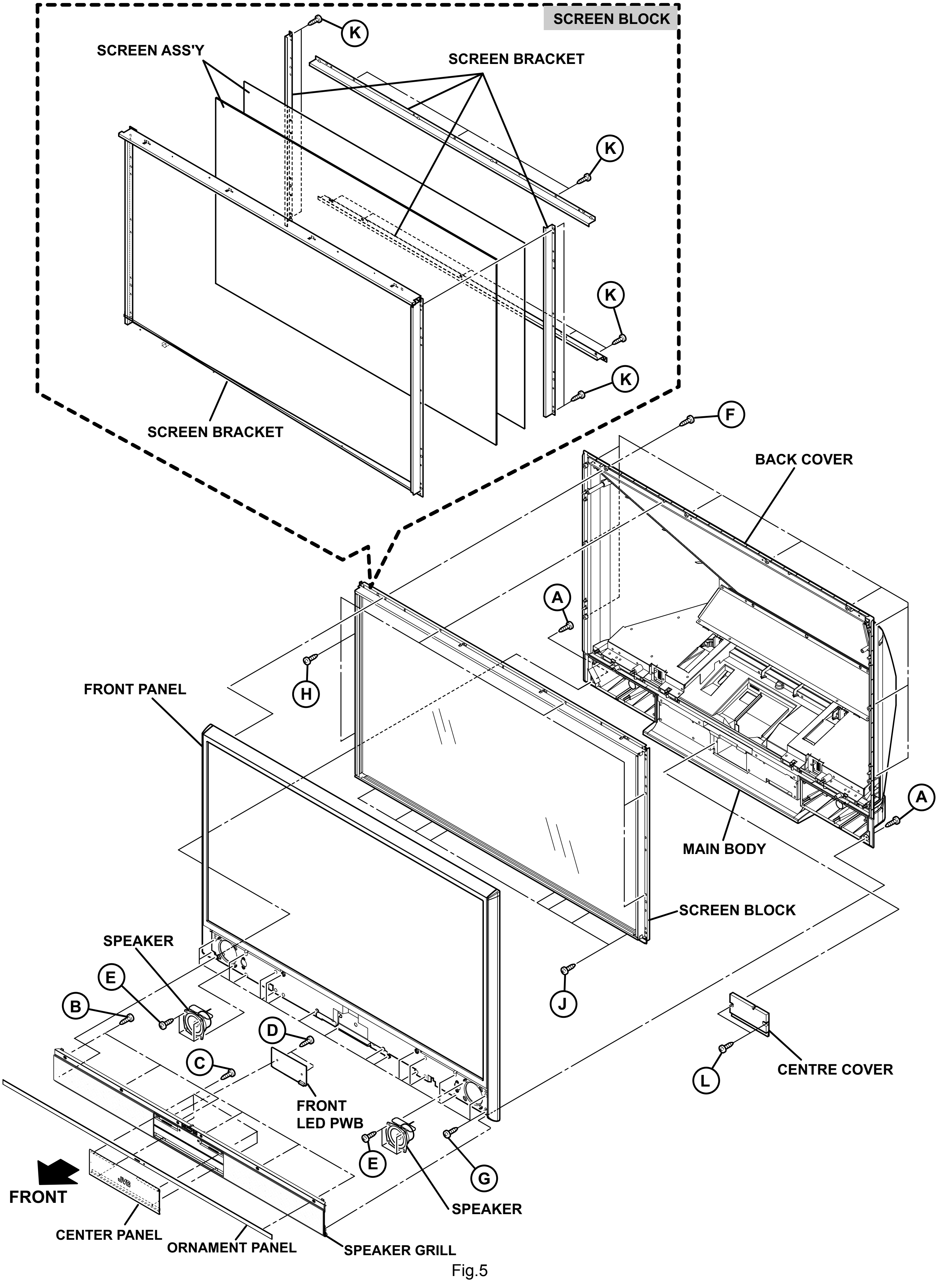

SCREEN BLOCK
K
SCREEN ASS'Y
SCREEN BRACKET
K
K
K
SCREEN BRACKET
F
BACK COVER
A
H
FRONT PANEL
A
MAIN BODY
SCREEN BLOCK
SPEAKER
E
B
J
D
C
FRONT LED PWB
CENTRE COVER
L
E
G
FRONT
SPEAKER
CENTER PANEL
ORNAMENT PANEL
SPEAKER GRILL

Fig.5

3.1.3.10 REMOVING THE MIRROR (Fig.6)

- Remove the SPEAKER GRILL.
- Remove the SPEAKER.
- Remove the FRONT PANEL.
- Remove the SCREEN BLOCK.
  (1) Remove the 2 screws **[A]** attaching the MIRROR HOLDER STOPPER.
  (2) Remove the 2 screws **[B]** and 2 screws **[C]** attaching the MIRROR HOLDER upper side.
  (3) Remove the 2 screws **[D]**, 6 screws **[E]** and 2 screws **[F]** attaching the MIRROR HOLDER of left and right side.
  (4) Raise slightly to disengage of the MIRROR from the bottom holder

NOTE :

- Do not touch the front of the MIRROR.
- Do not shock the MIRROR.
- Because of the large size, at least 2 persons are recommended for removal and reassemble.

3.1.3.11 REMOVING THE BACK COVER BRACKET (Fig.6)

- Remove the SPEAKER GRILL.
- Remove the SPEAKER.
- Remove the FRONT PANEL.
- Remove the SCREEN BLOCK.
  (1) Remove the 6 screws **[G]** and 3 screws **[H]**.
  (2) Remove the rear side BACK COVER BRACKET.
  (3) Remove the 4 screws **[J]**, 1 screw **[K]** and 1 screw **[L]**.
  (4) Remove the left side BACK COVER BRACKET.
  (5) Remove the righ side BACK COVER BRACKET same step.

3.1.3.12 REMOVING THE SIDE CONTROL PWB (Fig.6)

- Remove the SPEAKER GRILL.
- Remove the SPEAKER.
- Remove the FRONT PANEL.
- Remove the SCREEN BLOCK.
  (1) Remove the 4 screws **[M]**.
  (2) Remove the SIDE CONTROL BASE.
  (3) Remove the 2 screws **[N]**.
  (4) Remove the SIDE CONTROL PWB.

3.1.3.13 REMOVING THE SPEAKER BOX (Fig.6)

- Remove the SPEAKER GRILL.
- Remove the SPEAKER.
- Remove the FRONT PANEL.
- Remove the SCREEN BLOCK.
- Remove the BACK COVER BRACKET.
  (1) Remove the 3 screws **[P]**.
  (2) Remove the SPEAKER BOX.
  (3) Remove the opposite SPEAKER BOX same steps.

3.1.3.14 REMOVING THE BACK COVER (Fig.6)

- Remove the SPEAKER GRILL.
- Remove the SPEAKER.
- Remove the FRONT PANEL.
- Remove the SCREEN BLOCK.
- Remove the BACK COVER BRACKET.
- Remove the SPEAKER BOX.
  (1) Remove the 4 screws **[Q]** and 2 screws **[R]**.
  (2) Remove the BACK COVER.

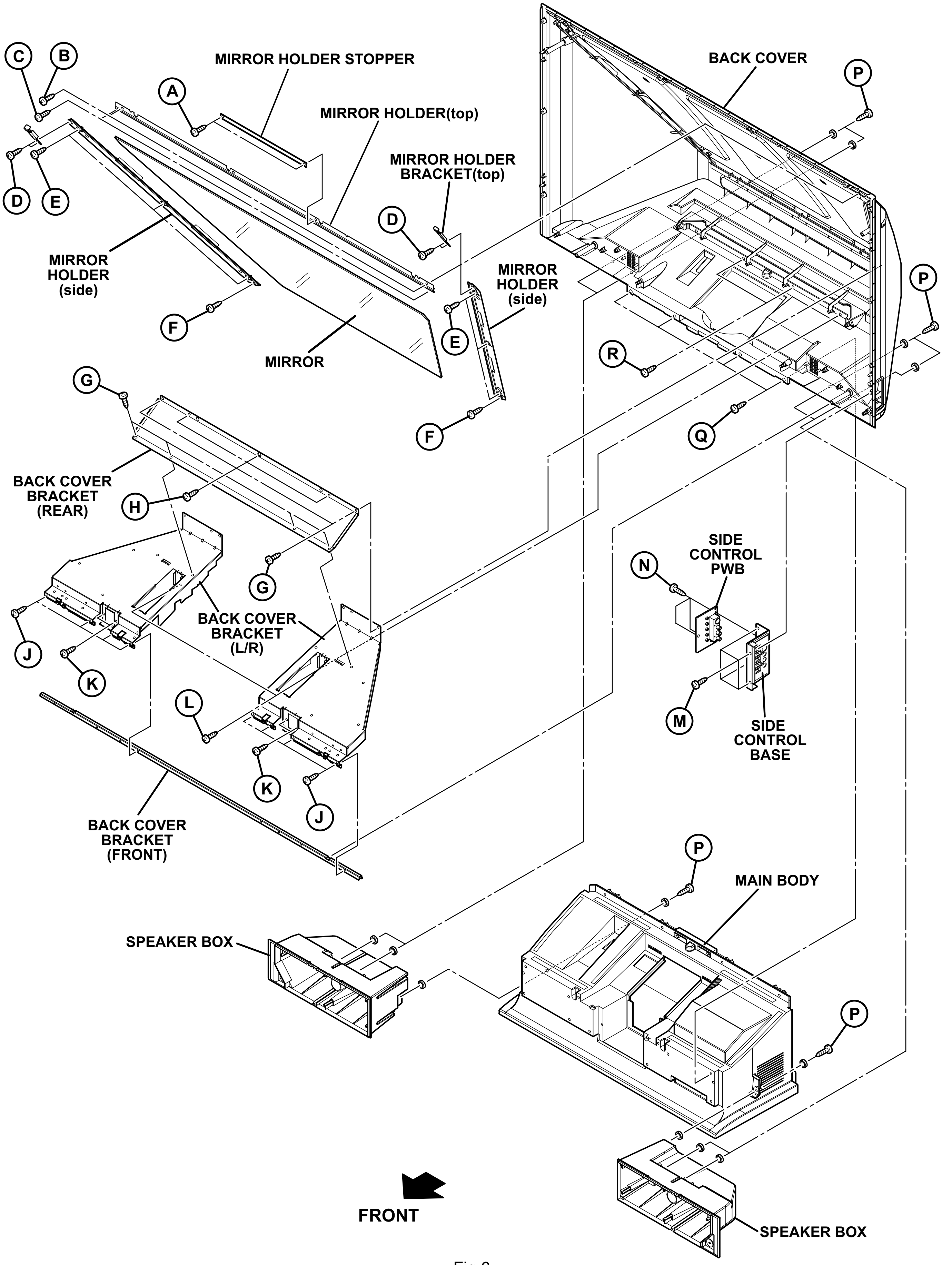

C
B
MIRROR HOLDER STOPPER
A
MIRROR HOLDER(top)
BACK COVER
P
D
E
MIRROR HOLDER BRACKET(top)
D
MIRROR HOLDER (side)
MIRROR HOLDER (side)
P
F
E
MIRROR
R
G
F
Q
BACK COVER BRACKET (REAR)
H
SIDE CONTROL PWB
N
G
BACK COVER BRACKET (L/R)
J
K
L
M
SIDE CONTROL BASE
K
J
BACK COVER BRACKET (FRONT)
P
MAIN BODY
SPEAKER BOX
P
FRONT
SPEAKER BOX

Fig.6

3.1.4 REAR SIDE DISASSEMBLY

3.1.4.1 REMOVING THE LAMP UNIT (Fig.7)

(1) Remove the 1 screw **[A]**.
(2) Remove the LAMP COVER.
(3) Remove the 2 screws **[B]**
(4) Pull out the LAMP UNIT.

NOTE :

- Do not leave the LAMP COVER removed for long time to prevent dirt and dust form covering the lens.
- Make sure that the LAMP COVER is completely installed.

3.1.4.2 REMOVING THE BODY COVER (Fig.7)

(1) Remove the 11 screws **[C]** and the 5 screws **[D]**
(2) Remove the BODY COVER.

NOTE :

- Do not leave the BODY COVER removed for long time to prevent soiling from dust.

3.1.4.3 REMOVING THE MAIN UNIT (Fig.7)

- Remove the LAMP COVER.
- Remove the BODY COVER.

(1) Remove the 4 screws **[E]**
(2) Remove the BODY BRACKET.
(3) Remove the 2 screws **[F]**
(4) The MAIN UNIT is pulled out to the back side.

CAUTION :

- Except for confirmation of projection images on the screen and audio output through the speakers, the removed MAIN UNIT is still workable in the same state as if it is still built-in the TV set. Therefore, the MAIN UNIT can be removed, if necessary, for board diagnosis, electric testing, etc. apart from confirmation of screen images and audio output. Do not leave the MAIN UNIT removed for long time to prevent soiling from dust.
- Because of the large size, at least 2 persons are recommended for removal and reassemble.
- When carrying the MAIN UNIT, use care not to drop, shock or shake it.
- Do not stain or damage the projection lens.
- Do not look directly at the light during service.
- Do not touch the lamp directly as it presents a burn hazard.

NOTE :

- When not performing repair work, attach the cap on the lens to preventing dust from covering.
- When mounting to the set, make sure the front of the lens is in contact with the cushion on the set (body) side.
- Make sure that FRONT LED PWB connector is completely connect to the ANALOG PWB connector.
- When wire clamps are removed during work, use care to restore them precisely to their original positions. Performance can be affected if these are not returned to the original positions.

3.1.4.4 REMOVING THE AV TERMINAL BOARD (Fig.7)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.

(1) Remove the 3 screws **[G]**, 2 screws **[H]**, 6 screws **[J]**, 3 screws **[K]**.
(2) Remove the 4 hex screws **[L]**.
(3) Remove the nut attaching the ANTENNA TERMINAL.
(4) Remove the AV TERMINAL BOARD.

3.1.4.5 REMOVING THE POWER PWB (Fig.7)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.

(1) Remove the POWER CORD.
(2) Remove the 5 screws **[M]**.
(3) Remove the POWER PWB.

3.1.4.6 REMOVING THE TUNER PWB (Fig.7)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.

(1) Remove the 1 screw **[N]**.
(2) Remove the HANGER BRACKET with TUNER PWB.
(3) Remove the 4 screws **[P]**.
(4) Remove the TUNER PWB.

3.1.4.7 REMOVING THE ANALOG PWB (Fig.7)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.
- Remove the POWER PWB and TUNER PWB.
- Remove the AV TERMINAL BOARD.

(1) Remove the 4 screws **[Q]**.
(2) Remove the ANALOG PWB.

3.1.4.8 REMOVING THE DIGITAL PWB (Fig.7)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.
- Remove the POWER PWB and TUNER PWB.

(1) Remove the 1 screw **[R]**.
(2) Remove the DIGITAL PWB BRACKET with DIGITAL PWB and ATSC TUNER MODULE.
(3) Remove the 4 screws **[S]**.
(4) Remove the DIGITAL PWB SHIELD COVER.
(5) Remove the 9 screws **[T]**.
(6) Remove the DIGITAL PWB.

CAUTION :

Make sure to perform the "SYSTEM SETTEING", when DIGITAL PWB is replaced.

3.1.4.9 REMOVING THE ATSC TUNER MODULE PWB (Fig.7)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.
- Remove the POWER PWB and TUNER PWB.
  (1) Remove the 1 screw **[R]**.
  (2) Remove the DIGITAL PWB BRACKET with ATSC TUNER MODULE PWB.
  (3) Remove the 4 screws **[U]**.
  (4) Remove the ATSC TUNER COOLING FAN.
  (5) Remove the 8 screws **[V]**.
  (6) Remove the ATSC TUNER SHIELD COVER.
  (7) Remove the 5 screws **[W]**.
  (8) Remove the ATSC TUNER MODULE PWB.

3.1.4.10 REMOVING THE SD CARD PWB (Fig.7)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.
- Remove the AV TERMINAL BOARD.
  (1) Remove the 2 screws **[X]**.
  (2) Remove the SD CARD BRACKET with SD CARD PWB.
  (3) Remove the 2 screws.
  (4) Remove the SD CARD PWB.

3.1.4.11 REMOVING THE IRIS PWB (Fig.7)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.
- Remove the POWER PWB and TUNER PWB.
  (1) Remove the 2 screws **[Z]**.
  (2) Remove the IRIS PWB.

3.1.4.12 REMOVING THE REMOCON PWB (Fig.7)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.
- Remove the POWER PWB and TUNER PWB.
  (1) Remove the 1 screw **[a]**.
  (2) Remove the REMOCON PWB.

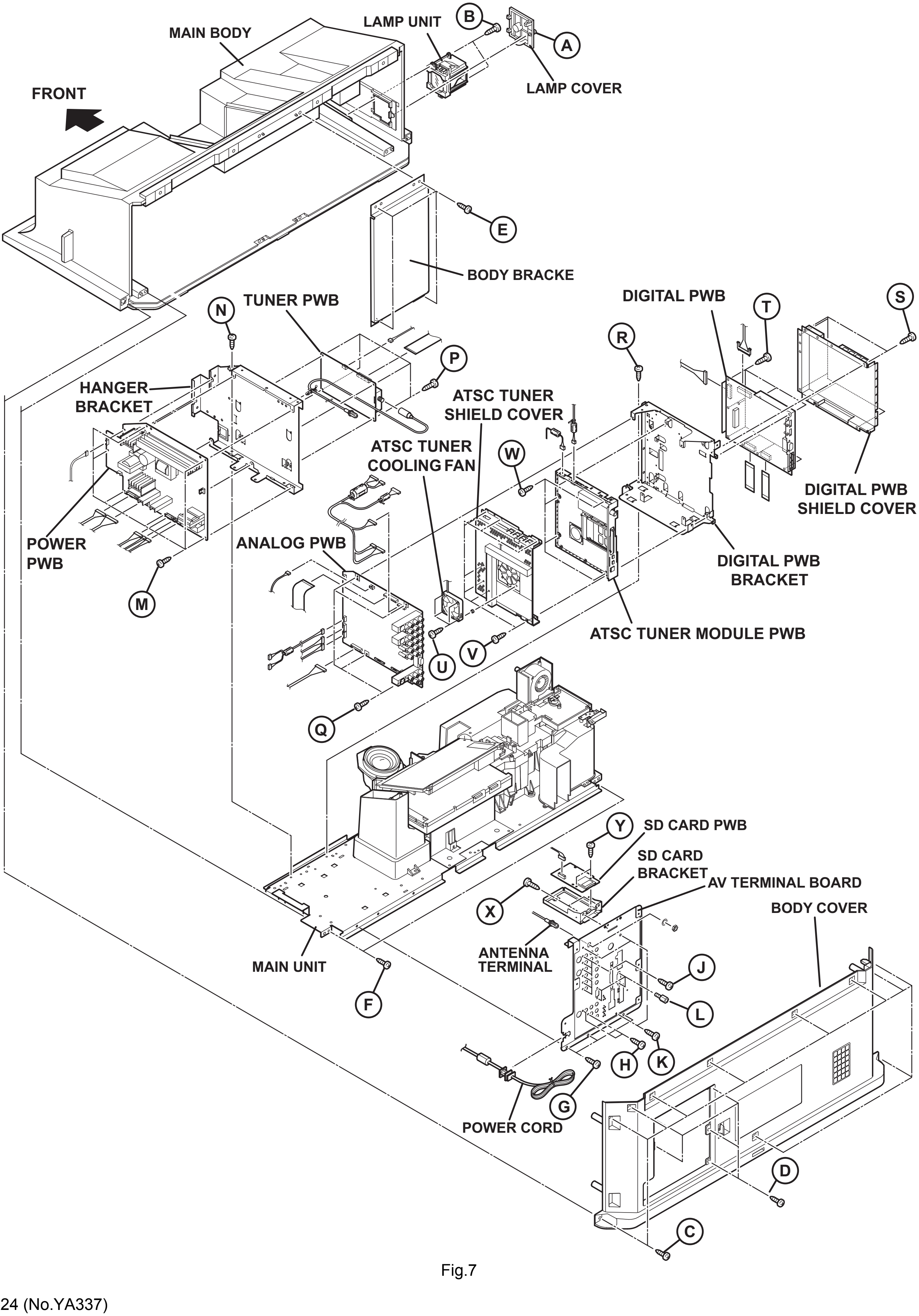

LAMP UNIT
B
MAIN BODY
A
LAMP COVER
FRONT
E
BODY BRACKE
DIGITAL PWB
T
S
N
TUNER PWB
R
P
HANGER
BRACKET
ATSC TUNER
SHIELD COVER
ATSC TUNER
COOLING FAN
W
DIGITAL PWB
SHIELD COVER
POWER
PWB
ANALOG PWB
DIGITAL PWB
BRACKET
M
ATSC TUNER MODULE PWB
U
V
Q
Y
SD CARD PWB
SD CARD
BRACKET
AV TERMINAL BOARD
BODY COVER
X
ANTENNA
TERMINAL
MAIN UNIT
J
F
L
H
K
G
POWER CORD
D
C

Fig.7

3.1.4.13 REMOVING THE LAMP COVER SW PWB (Fig.8)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.

(1) Remove the 2 screws **[A]**.
(2) Remove the LAMP COVER SW BRACKET with LAMP COVER SW PWB.
(3) Remove the 1 screw **[B]**.
(4) Remove the LAMP COVER SW PWB.

3.1.4.14 REMOVING THE LAMP FAN DUCT (Fig.8)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.

(1) Remove the 2 screws **[C]**.
(2) Remove the THERMOSTAT.
(3) Remove the 5 screws **[D]**.
(4) Remove the LAMP FAN DUCT.

3.1.4.15 REMOVING THE LAMP COOLING FAN (Fig.8)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.

(1) Remove the 2 screws **[E]**.
(2) Remove the COOLING FAN BRACKET by pulling transversally
(3) Remove the 2 screws **[F]**.
(4) Remove the LAMP COOLING FAN.

3.1.4.16 REMOVING THE BALLAST UNIT COOLING FAN (Fig.8)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.
- Remove the COOLING FAN BRACKET.

(1) Remove the 2 screws **[G]**.
(2) Remove the BALLAST UNIT COOLING FAN.

3.1.4.17 REMOVING THE LAMP BALLAST BLOCK (Fig.8)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT..

(1) Remove the 1 screw **[H]**.
(2) Remove the LAMP BALLAST BLOCK.
(3) Remove the 2 screws **[I]**.
(4) Remove the LAMP BALLAST DUCT.
(5) Remove the 2 screws **[J]**.
(6) Remove the LAMP BALLAST UNIT.

3.1.4.18 REMOVING THE IRIS PWB (Fig.8)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.

(1) Remove the 2 screws **[K]**.
(2) Remove the IRIS PWB.

3.1.4.19 REMOVING THE REMOCON PWB(Fig.8)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.

(1) Remove the 1 screws **[a]**.
(2) Remove the REMOCON PWB.

3.1.4.20 REMOVING THE OPTICAL / DRIVE ASS'Y (Fig.8)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.
- Remove the LAMP FAN DUCT.

(1) Remove the 5 screw **[L]**, 6 screw **[M]** and 1 screw **[N]**.
(2) Remove the OPTICAL / DRIVE ASS'Y.

NOTE :

- The OPTICAL / DRIVE ASS'Y contains precision opticalcomponents.
- Handle carefully and avoid imparting strong shock.
- OPTICAL / DRIVE ASS'Y construction

(1) OPTICAL BLOCK:
(D-ILA device, PBS, Field lens, Integrater, Mirror etc.)
(2) PROJECTION LENS
(3) OPTICAL BASE
(4) DRIVE PWB
(5) IRIS PWB
(6) TOP DUCT
(7) SHIELD COVER

- When not performing repair work, attach the cap on the lens to preventing dust from covering.
- When mounting to the set, make sure the front of the lens side is in contact with the cushion on the body side.
- Do not leave the OPTICAL / DRIVE ASS'Y removed for long time to prevent soiling from dust.

3.1.4.21 REMOVING THE DRIVE PWB (Fig.8)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.

(1) Slide the TOP DUCT PLATE and remove it.
(2) Remove the 1 screw **[P]** and the 1 screw **[Q]**.
(3) Remove the TOP DUCT.
(4) Remove the SHIELD TOP CASE.
(5) Remove the 2 screws **[R]**.
(6) Remove the DEVICE SHIELD.
(7) Remove the 3 screws **[S]** and the 1 screw **[T]**.
(8) Remove the DRIVE PWB.

3.1.4.22 REMOVING THE OPTICAL BLOCK COOLING FAN (Fig.8)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.
- Remove the LAMP FAN DUCT.
- Remove the OPTICAL / DRIVE ASS'Y

  (1) Remove the 2 screws **[U]**.
  (2) Remove the SIROCCO TOP CASE.
  (3) Remove the 2 screws **[V]**.
  (4) Remove the OPTICAL BLOCK COOLING FAN.

3.1.4.23 REMOVING THE PROJECTION LAMP(Fig.8)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT.

  (1) Remove the 4 screws **[W]**.
  (2) Remove the PROJECTION LAMP.

3.1.4.24 REMOVING THE CARD VIEWER PWB [HD-70FH96] (Fig.8)

- Remove the LAMP COVER.
- Remove the BODY COVER.
- Remove the BODY BRACKET.
- Remove the MAIN UNIT..

  (1) Remove the 2 screws **[X]**.
  (2) Remove the CARD VIEWER BRACKET.
  (3) Remove the 2 screws **[Y]**.
  (4) Remove the CARD VIEWER SHIELD COVER.
  (5) Remove the 4 screws **[Z]**.
  (6) Remove the CARD VIEWER PWB.

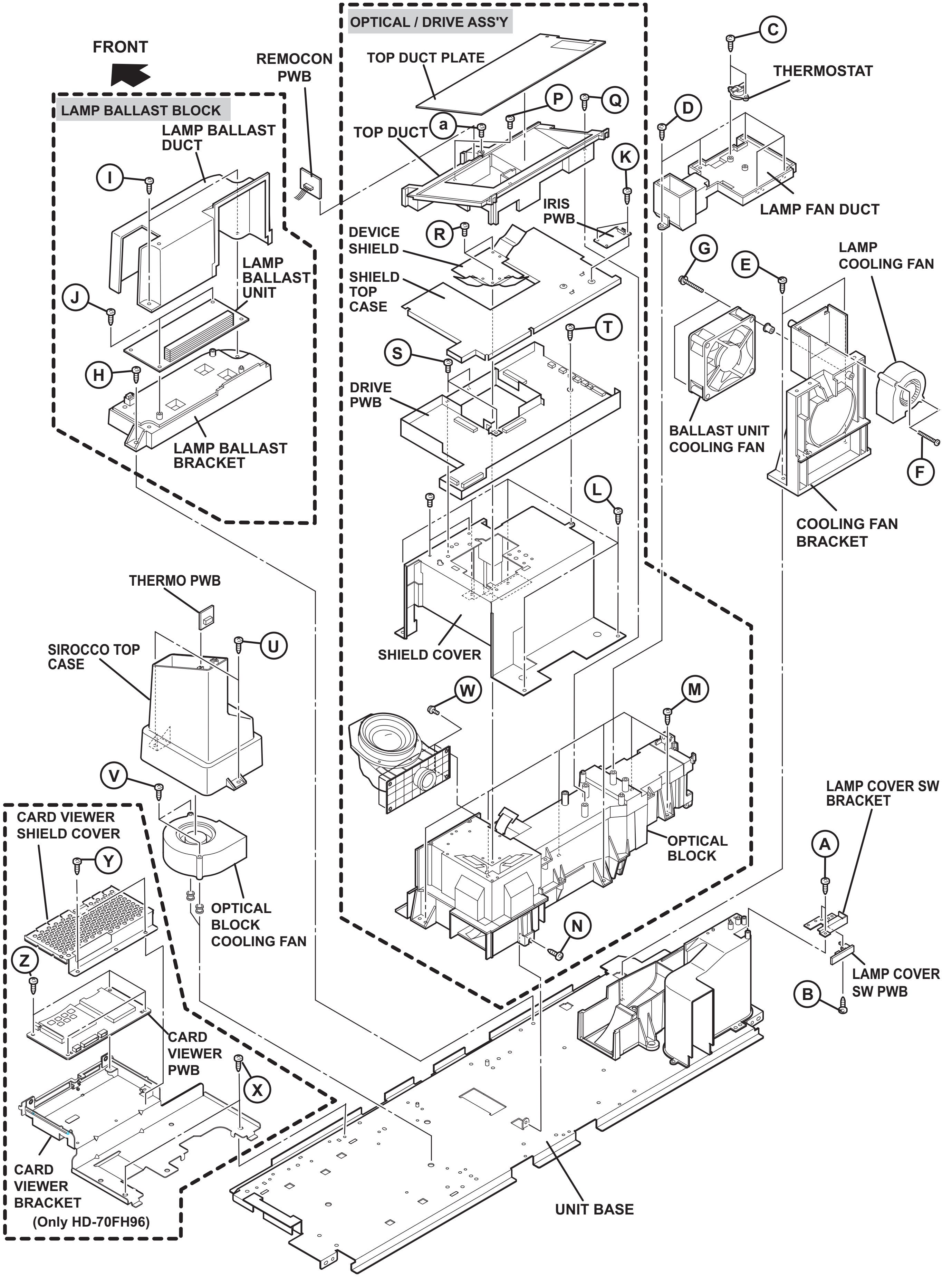

FRONT
LAMP BALLAST BLOCK
LAMP BALLAST DUCT
I
J
LAMP BALLAST UNIT
H
LAMP BALLAST BRACKET
REMOCON PWB
OPTICAL / DRIVE ASS'Y
TOP DUCT PLATE
P
Q
a
TOP DUCT
K
IRIS PWB
R
DEVICE SHIELD
SHIELD TOP CASE
S
T
DRIVE PWB
L
SHIELD COVER
W
M
OPTICAL BLOCK
N
C
THERMOSTAT
D
LAMP FAN DUCT
G
E
LAMP COOLING FAN
BALLAST UNIT COOLING FAN
F
COOLING FAN BRACKET
THERMO PWB
SIROCCO TOP CASE
U
V
OPTICAL BLOCK COOLING FAN
CARD VIEWER SHIELD COVER
Y
Z
CARD VIEWER PWB
X
CARD VIEWER BRACKET
(Only HD-70FH96)
LAMP COVER SW BRACKET
A
LAMP COVER SW PWB
B
UNIT BASE

Fig.8

3.2 MEMORY IC REPLACEMENT

- This model uses the memory IC.
- This memory IC stores data for proper operation of the video and drive circuits.
- When replacing, be sure to use an IC containing this (initial value) data.

3.2.1 MEMORY IC TABLE

Simbol	Number of pins	Mounting PWB	Main content of data
IC3753	8-pin	DRIVE PWB	Adjustment and setting data (GAMMA, SHADING, etc.) of IC3701(DRIVE CPU) are memorized.
IC7201	48-pin	DIGITAL PWB	Progaram(Video process) of IC6001(System CPU) is memorized.
IC7602	8-pin	DIGITAL PWB	Setting value of IC7601(MAIN CPU) is memorized.

3.2.2 MEMORY IC REPLACEMENT PROCEDURE

1. Power off
Switch off the power and disconnect the power plug from the AC outlet.

2. Replace the memory IC
Be sure to use the memory IC written with the initial setting values.

3. Power on
Connect the power plug to the AC outlet and switch on the power.

4. Receiving channel setting
Refer to the OPERATING INSTRUCTIONS and set the receive channels (Channels Preset) as described.

5. User setting
Check the user setting items according to the given in page later. Where these do not agree, refer to the OPERATING INSTRUCTIONS and set the items as described.

6. SERVICE MODE setting
Verify what to set in the SERVICE MODE, and set whatever is necessary (Fig.1). Refer to the SERVICE ADJUSTMENT for setting.

3.2.3 SERVICE MODE SETTING

■SERVICE MODE SCREEN

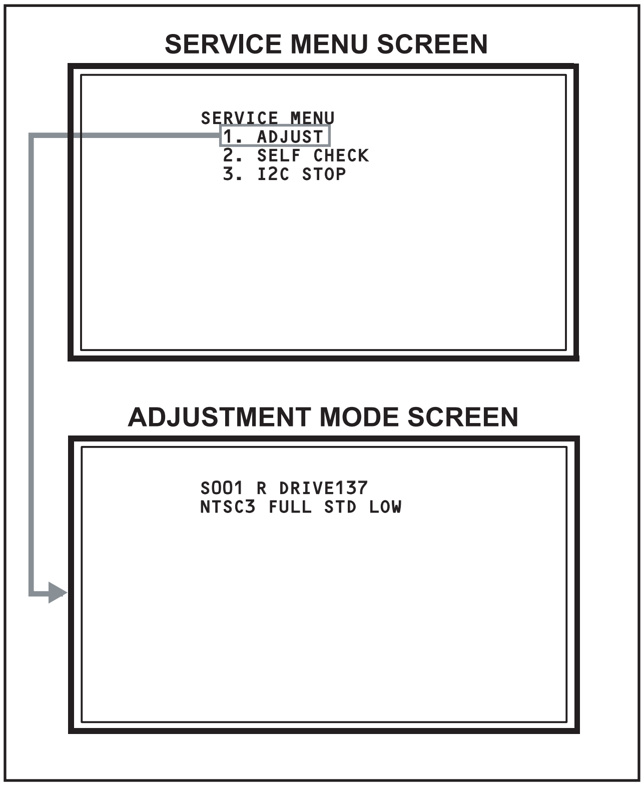


Fig.1

■SETTING ITEM

Setting items	Settings	Item No.
Video system setting	Adjust	S001 - S009
Audio system setting	Adjust	T001 - T003
Main CPU system setting	Fixed	M001 - M224
Drive system setting	Fixed	F001 - F002
(NOT USED)	Fixed	D001
(NOT USED)	Fixed	Z001

3.2.4 SETTINGS OF FACTORY SHIPMENT

3.2.4.1 BUTTON OPERATION

Setting item	Setting position
POWER	Off
CHANNEL	CABLE-02
VOLUME	10
INPUT	TV

3.2.4.2 REMOTE CONTROL DIRECT OPERATION

Setting item		Setting position
INPUT		TV
CHANNEL		CABLE-02
VOLUME		10
MUTING		OFF
DISPLAY		OFF
ASPECT	NTSC	Reguler
	HD	FULL
SLEEP TIMER		OFF
THEATER PRO		OFF
NATURAL CINEMA		AUTO
C.C.		OFF
MTS		STEREO
TWIN SOURCE	LEFT SIDE	CABLE-02
	RIGHT SIDE	INPUT-1
SOUND	A.H.S	OFF
	BBE	ON
	SMART SOUND	OFF
	HYPER BASS	OFF

3.2.4.3 REMOTE CONTROL MENU OPERATION

■ PICTURE ADJUST

Customers can adjust the picture setting of menu screen as their own like but the picture standard value during factory shipment is as below.

[NTSC MODE]

Setting item	DYNAMIC	STANDARD	GAME	THEATER
TINT	+15	00	-10	00
COLOR	00	00	00	00
PICTURE	00	00	00	00
BRIGHT	00	00	00	00
DETAIL	+05	00	00	00
COLOR TEMPERATURE	HIGH	HIGH	HIGH	HIGH
COLOR MANAGEMENT	ON	ON	ON	ON
DYNAMIC GAMMA	ON	ON	ON	ON
SMART PICTURE	OFF	ON	ON	ON
DIGITAL VNR	AUTO	AUTO	AUTO	AUTO
MPEG NR	OFF	OFF	OFF	OFF

[HD MODE]

Setting item	DYNAMIC	STANDARD	GAME	THEATER
PICTURE	+15	00	-10	00
BRIGHT	00	00	00	00
COLOR	00	00	00	00
TINT	00	00	00	00
DETAIL	+05	00	00	00
COLOR TEMPERATURE	HIGH	LOW	HIGH	LOW
COLOR MANAGEMENT	ON	ON	ON	ON
DYNAMIC GAMMA	ON	ON	ON	ON
SMART PICTURE	OFF	ON	ON	ON
DIGITAL VNR	AUTO	AUTO	AUTO	AUTO
MPEG NR	OFF	OFF	OFF	OFF

■ SOUND ADJUST

Setting item	Setting position
BASS	00
TREBLE	00
BALANCE	00

■ CLOCK / TIMERS

Setting item	Setting position
ON / OFF TIMER	NO

■ INITIAL SETUP

Setting item	Setting position
VIDEO-1 MONITOR OUT	OFF
TV SPEAKER	ON
AUDIO OUT	FIX
DIGITAL-IN	AUTO
DIGITAL-IN AUDIO	AUTO
CENTER CH INPUT	OFF
NOISE MUTING	ON
FRONT PANEL LOCK	OFF
V1 SMART INPUT	OFF
VIDEO INPUT LABEL	All blank
POSITION ADJUSTMENT	Center
POWER INDICATOR	HIGH
LANGUAGE	ENG.
CLOSED CAPTION	OFF
AUTO SHUT OFF	OFF
XDS ID	ON
AUTO TUNER SETUP	Unnecessary to set
V-CHIP	OFF

3.3 REPLACEMENT OF CHIP COMPONENT

3.3.1 CAUTIONS

(1) Avoid heating for more than 3 seconds.
(2) Do not rub the electrodes and the resist parts of the pattern.
(3) When removing a chip part, melt the solder adequately.
(4) Do not reuse a chip part after removing it.

3.3.2 SOLDERING IRON

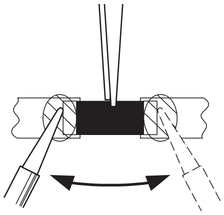
(1) Use a high insulation soldering iron with a thin pointed end of it.
(2) A 30w soldering iron is recommended for easily removing parts.

3.3.3 REPLACEMENT STEPS

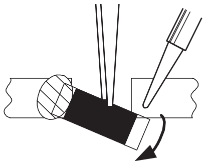
1. How to remove Chip parts

[Resistors, capacitors, etc.]

(1) As shown in the figure, push the part with tweezers and alternately melt the solder at each end.

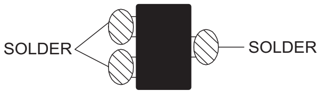


(2) Shift with the tweezers and remove the chip part.

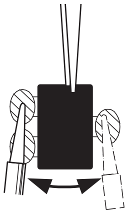


[Transistors, diodes, variable resistors, etc.]

(1) Apply extra solder to each lead.



(2) As shown in the figure, push the part with tweezers and alternately melt the solder at each lead. Shift and remove the chip part.



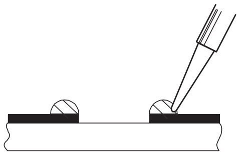
NOTE :

After removing the part, remove remaining solder from the pattern.

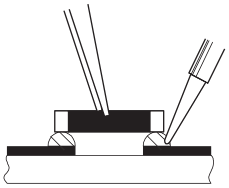
2. How to install Chip parts

[Resistors, capacitors, etc.]

(1) Apply solder to the pattern as indicated in the figure.

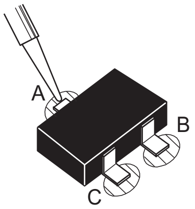


(2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.

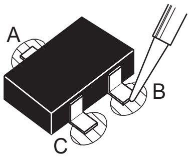


[Transistors, diodes, variable resistors, etc.]

(1) Apply solder to the pattern as indicated in the figure.
(2) Grasp the chip part with tweezers and place it on the solder.
(3) First solder lead **A** as indicated in the figure.



(4) Then solder leads **B** and **C**.



SECTION 4
ADJUSTMENT

4.1 ADJUSTMENT PREPARATION

(1) **There are 2 ways of adjusting this TV : One is with the REMOTE CONTROL UNIT and the other is the conventional method using adjustment parts and components.**

(2) **The adjustment using the REMOTE CONTROL UNIT is made on the basis of the initial setting values. The setting values which adjust the screen to the optimum condition can be different from the initial setting values.**

(3) Make sure that connection is correctly made AC to AC power source.

(4) Turn on the power of the TV and measuring instruments for warning up for at least 30 minutes before starting adjustments.

(5) If the receive or input signal is not specified, use the most appropriate signal for adjustment.

(6) Never touch the parts (such as variable resistors, transformers and condensers) not shown in the adjustment items of this service adjustment.

4.2 PRESET SETTING BEFORE ADJUSTMENTS

Unless otherwise specified in the adjustment items, preset the following functions with the REMOTE CONTROL UNIT.

Setting item	Settings
VIDEO STATUS	STANDARD
Picture adjustments	00
COLOR TEMPERATURE	LOW
COLOR MANAGEMENT	ON
DYNAMIC GAMMA	ON
SMART PICTURE	OFF
DIGITAL VNR	OFF
MPEG NR	OFF
NATURAL CINEMA	AUTO
Sound adjustments	00
A.H.S	OFF
BBE	OFF
SMART SOUND	OFF
ASPECT	FULL

4.3 MEASURING INSTRUMENT AND FIXTURES

- Oscilloscope
- Signal generator (Pattern generator)
  [NTSC / 525i / 525p / 750p / 1125i]
- TV audio multiplex signal generator
- Remote control unit

4.4 ADJUSTMENT ITEMS

■ **FOCUS**
- LENS FOCUS adjustment

■ **DRIVE CIRCUIT**
- DRIVE CONVERGENCE adjustment
- DRIVE CENTER POSITION adjustment

■ **VIDEO CIRCUIT**
- WHITE BALANCE (HIGHLIGHT) adjustment

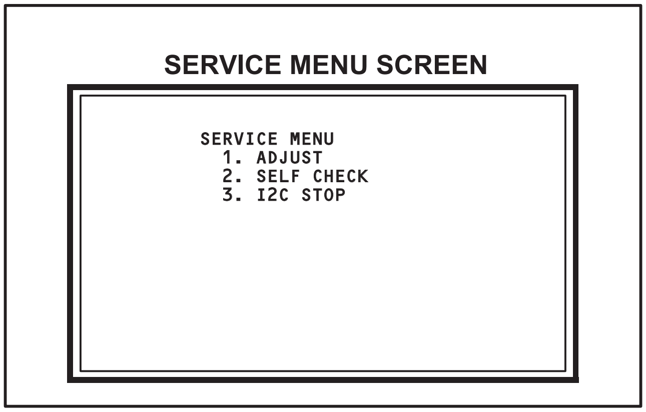
■ **MTS CIRCUIT**
- MTS INPUT LEVEL adjustment
- MTS SEPARATION adjustment

4.5 BASIC OPERATION OF SERVICE MODE

4.5.1 HOW TO ENTER THE SERVICE MODE

(1) Set to **"0 minutes"** using the **[SLEEP TIMER]** key.

(2) While **"0 minutes"** is displayed, press the **[VIDEO STATUS]** key and **[DISPLAY]** key simultaneously, then enter the SERVICE MODE (Fig.1)


SERVICE MENU SCREEN

```
SERVICE MENU
  1. ADJUST
  2. SELF CHECK
  3. I2C STOP
```

Fig.1

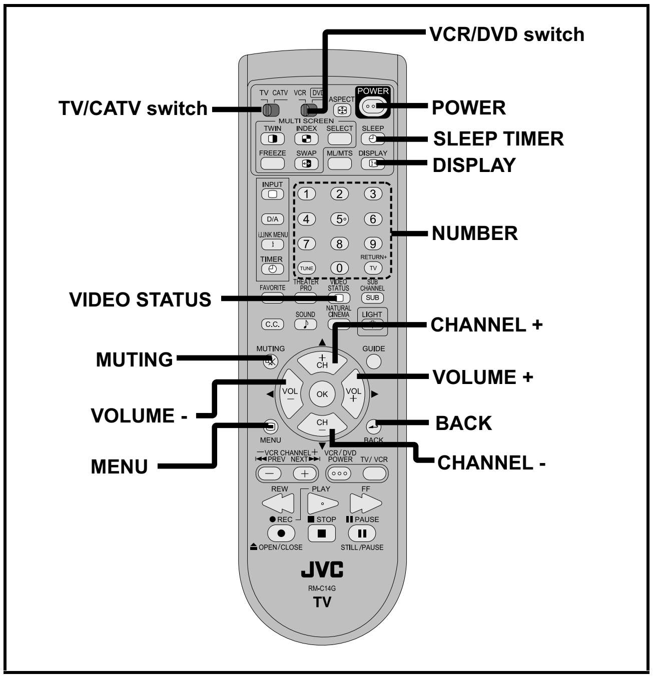
NOTE:

- Before entering the SERVICE MODE, confirm that the setting of **TV/CATV** switch of the REMOTE CONTROL UNIT is at the "TV" side and the setting of **VCR/DVD** switch is at the "**VCR**" side. If the switches have not been properly set, you cannot enter the SERVICE MODE.
- When a number key other than the **[1]** or **[9]** keys is pressed in the SERVICE MENU SCREEN, the other relevant screen may be displayed.
  This is not used in the adjustment procedure. Press the **[MENU]** key to return to the SERVICE MENU SCREEN.

4.5.2 HOW TO EXIT THE SERVICE MODE

Press the **[BACK]** key to exit the Service mode.

4.5.3 SERVICE MODE SELECT KEY LOCATION


VCR/DVD switch
TV/CATV switch
POWER
SLEEP TIMER
DISPLAY
NUMBER
VIDEO STATUS
CHANNEL +
MUTING
VOLUME +
VOLUME -
BACK
MENU
CHANNEL -
JVC
RM-C14G
TV

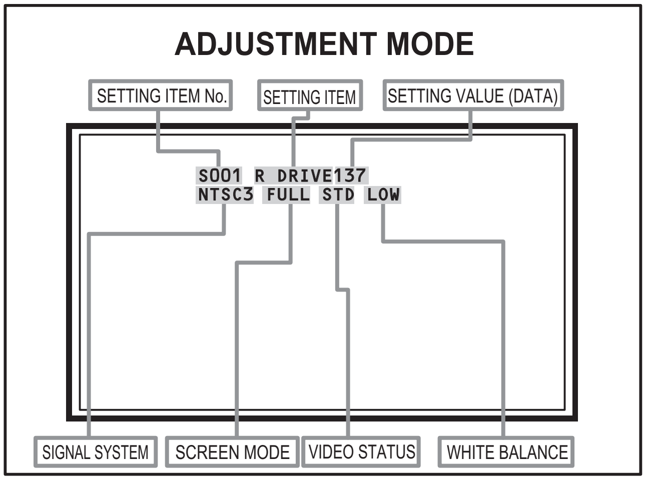
4.5.4 ADJUSTMENT MODE

This mode is used to adjust the VIDEO CIRCUIT and the MTS CIRCUIT.

4.5.4.1 HOW TO ENTER THE ADJUSTMENT MODE

When the SERVICE MENU SCREEN of SERVICE MODE is displayed, press **[1]** key to enter the **ADJUSTMENT MODE (Fig.2)**.

4.5.4.2 DESCRIPTION OF STATUS DISPLAY OF ADJUSTMENT MODE


ADJUSTMENT MODE

```
S001 R DRIVE137
NTSC3 FULL STD LOW
```

SETTING ITEM No.
SETTING ITEM
SETTING VALUE (DATA)
SIGNAL SYSTEM
SCREEN MODE
VIDEO STATUS
WHITE BALANCE

Fig.2

(1) SIGNAL SYSTEM

The signal displayed on the screen is displayed.

NTSC3 : 525i (Composite / S-video input)
525I : 525i (Component input)
525P : 525p
1125I6 : 1125i
750P : 750p
PCVGA : PC (VGA)
PCXGA : PC (XGA)
H525I : HDMI 525i
H525P : HDMI 525p
H1125I6 : HDMI 1125i
H750P : HDMI 750p
D525I : ATSC 525i
D525P : ATSC 525p
D1125I6 : ATSC 1125i

(2) SCREEN MODE

State of the SCREEN SIZE or MULTI PICTURE is displayed.

SINGLE SCREEN

FULL : FULL
1609 : CINEMA, CINEMA ZOOM
PANO : PANORAMA, HD PANORAMA
REGU : REGULAR

MULTI SCREEN

M2 : TWIN, FREEZE screen
M12 : INDEX screen

(3) VIDEO STATUS

STD : STANDARD
DYN : DYNAMIC
TH : THEATER
GAME : GAME

(4) WHITE BALANCE

HIGH : HIGH
LOW : LOW

(5) SETTING ITEM NAME

Setting item name are displayed. The setting item numbers to be displayed are listed below.

Item No.	Setting item
S001 - S009	Video system setting
T001 - T003	Audio system setting
M001 - M224	Main CPU system setting
F001 - F002	Drive system setting
D001	(NOT USED)
Z001	(NOT USED)

(6) SETTING ITEM NO.

Setting item numbers are displayed. For the setting item names to be displayed, refer to "Initial setting value of adjustment mode".

(7) SETTING VALUE (DATA)

The SETTING VALUE is displayed.

4.5.4.3 CHANGE AND MEMORY OF SETTING VALUE

■SELECTION OF SETTING ITEM

- **[CH+]** / **[CH-]** key.
  Change the setting items up/ down.

S001... ↔ T001... ↔ M001... ↔ F001... ↔ D001... ↔ Z001...

- **[SLEEP TIMER]** key.
  Switches to the next items.

S001 → T001 → M001... → F001... → D001 → Z001

■CHANGE OF SETTING VALUE (DATA)

- **[VOL+]** / **[VOL-]** key.
  Change the setting values up/down.

■MEMORY OF SETTING VALUE (DATA)

Changed setting value is memorized by pressing **[MUTING]** key.

4.5.5 RGB BOX PATTERN MODE

This mode is used to adjust the DRIVE CIRCUIT.

4.5.5.1 HOW TO ENTER THE RGB BOX PATTERN MODE

When the SERVICE MENU SCREEN of SERVICE MODE is displayed, press **[9]** key to enter the **RGB BOX PATTERN MODE (Fig3)**.

4.5.5.2 DESCRIPTION OF STATUS DISPLAY OF RGB BOX PATTERN MODE

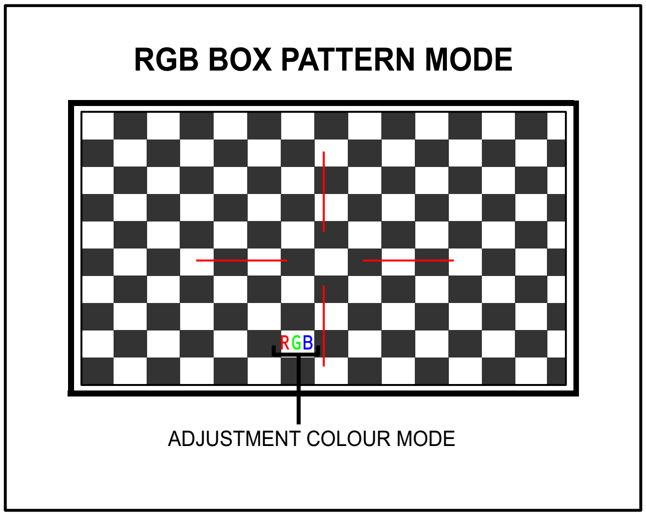


Fig.3

(1) RGB BOX PATTERN

The checkered pattern is displayed. White is a synthesis of RGB.

(2) ADJUSTMENT COLOR MODE

Presently selected ADJUSTMENT COLOR MODE is displayed.

■SELECTION OF SETTING ITEM

- **[CH+]** / **[CH-]** key.
  Move the selected RGB BOX PATTERN up/ down pixel by pixel.

- **[VOL+]** / **[VOL-]** key.
  Move the selected RGB BOX PATTERN left/ right pixel by pixel.

- **[SLEEP TIMER]** key.
  Adjusts the data reset.

- **[DISPLAY]** key.
  Adjusts the selected COLOR BOX PATTERN.

R → B → RGB

- **[BACK]** key.
  Returns to the SERVICE MENU SCREEN from the RGB BOX PATTERN MODE.

■MEMORY OF SETTING VALUE (DATA)

With the RGB BOX PATTERN MODE, the changed date is written in the MEMORY instantly.

4.6 INITIAL SETTING VALUES IN THE SERVICE MODE

- Perform fine-tuning based on the "initial values" using the remote control when in the Service mode.
- The "initial values" serve only as an indication rough standard and therefore the values with which optimal display can be achieved may be different from the default values. But, don't change the values that are not written in "ADJUSTMENT PROCEDURE". They are fixed values.

4.6.1 VIDEO SYSTEM SETTING

Item No.	Item	Variable range	Setting value
S001	R DRIVE	000 - 255	136
S002	G DRIVE	000 - 255	138
S003	B DRIVE	000 - 255	138
S004	RESREV	000 - 255	000
S005	RESREV	000 - 255	002
S006	RESREV	000 - 255	002
S007	RESREV	000 - 255	002
S008	RESREV	000 - 255	002
S009	RESREV	000 - 255	002

4.6.2 AUDIO SYSTEM SETTING

Item No.	Item	Variable range	Setting value
T001	INPLEVEL	000 - 015	006
T002	LOWSEPA	000 - 063	020
T003	HIGHSEPA	000 - 063	038

4.6.3 MAIN CPU SYSTEM SETTING (Fixed values)

Item No.	Item	Variable range	Setting value
M001	1E00	00 - FF	00
M002	1E01	00 - FF	00
M003	1E02	00 - FF	0A
M004	1E03	00 - FF	3B
M005	1E04	00 - FF	10
M006	1E05	00 - FF	00
M007	1E06	00 - FF	00
M008	1E07	00 - FF	00
M009	1E08	00 - FF	10
M010	1E09	00 - FF	00
M011	1E0A	00 - FF	05
M012	1E0B	00 - FF	00
M013	1E0C	00 - FF	01
M014	1E0D	00 - FF	00
M015	1E0E	00 - FF	00
M016	1E0F	00 - FF	00
M017	1E10	00 - FF	00
M018	1E11	00 - FF	00
M019	1E12	00 - FF	00
M020	1E13	00 - FF	01
M021	1E14	00 - FF	01
M022	1E15	00 - FF	00
M023	1E16	00 - FF	00
M024	1E17	00 - FF	00
M025	1E18	00 - FF	00
M026	1E19	00 - FF	00
M027	1E1A	00 - FF	00
M028	1E1B	00 - FF	00
M029	1E1C	00 - FF	00
M030	1E1D	00 - FF	00
M031	1E1E	00 - FF	00
M032	1E1F	00 - FF	00
M033	1E20	00 - FF	00
M034	1E21	00 - FF	00
M035	1E22	00 - FF	00
M036	1E23	00 - FF	00
M037	1E24	00 - FF	00
M038	1E25	00 - FF	00
M039	1E26	00 - FF	00
M040	1E27	00 - FF	00
M041	1E28	00 - FF	00
M042	1E29	00 - FF	00
M043	1E2A	00 - FF	00
M044	1E2B	00 - FF	00
M045	1E2C	00 - FF	00
M046	1E2D	00 - FF	00
M047	1E2E	00 - FF	00
M048	1E2F	00 - FF	00
M049	1E30	00 - FF	00
M050	1E31	00 - FF	00
M051	1E32	00 - FF	00
M052	1E33	00 - FF	00
M053	1E34	00 - FF	00
M054	1E35	00 - FF	00
M055	1E36	00 - FF	02
M056	1E37	00 - FF	00
M057	1E38	00 - FF	01
M058	1E39	00 - FF	06
M059	1E3A	00 - FF	10
M060	1E3B	00 - FF	83
M061	1E3C	00 - FF	00
M062	1E3D	00 - FF	00
M063	1E3E	00 - FF	00
M064	1E3F	00 - FF	00
M065	1E40	00 - FF	00
M066	1E41	00 - FF	00
M067	1E42	00 - FF	02
M068	1E43	00 - FF	03
M069	1E44	00 - FF	04
M070	1E45	00 - FF	03
M071	1E46	00 - FF	02
M072	1E47	00 - FF	00

Item No.	Item	Variable range	Setting value
M073	1E48	00 - FF	00
M074	1E49	00 - FF	00
M075	1E4A	00 - FF	00
M076	1E4B	00 - FF	00
M077	1E4C	00 - FF	00
M078	1E4D	00 - FF	00
M079	1E4E	00 - FF	00
M080	1E4F	00 - FF	00
M081	1E50	00 - FF	00
M082	1E51	00 - FF	00
M083	1E52	00 - FF	00
M084	1E53	00 - FF	00
M085	1E54	00 - FF	00
M086	1E55	00 - FF	00
M087	1E56	00 - FF	00
M088	1E57	00 - FF	00
M089	1E58	00 - FF	00
M090	1E59	00 - FF	00
M091	1E5A	00 - FF	00
M092	1E5B	00 - FF	00
M093	1E5C	00 - FF	01
M094	1E5D	00 - FF	00
M095	1E5E	00 - FF	00
M096	1E5F	00 - FF	00
M097	1E60	00 - FF	00
M098	1E61	00 - FF	00
M099	1E62	00 - FF	00
M100	1E63	00 - FF	00
M101	1E64	00 - FF	00
M102	1E65	00 - FF	00
M103	1E66	00 - FF	00
M104	1E67	00 - FF	00
M105	1E68	00 - FF	00
M106	1E69	00 - FF	00
M107	1E6A	00 - FF	02
M108	1E6B	00 - FF	00
M109	1E6C	00 - FF	00
M110	1E6D	00 - FF	00
M111	1E6E	00 - FF	00
M112	1E6F	00 - FF	00
M113	1E70	00 - FF	00
M114	1E71	00 - FF	00
M115	1E72	00 - FF	00
M116	1E73	00 - FF	00
M117	1E74	00 - FF	00
M118	1E75	00 - FF	00
M119	1E76	00 - FF	00
M120	1E77	00 - FF	00
M121	1E78	00 - FF	03
M122	1E79	00 - FF	00

Item No.	Item	Variable range	Setting value
M123	1E7A	00 - FF	00
M124	1E7B	00 - FF	00
M125	1E7C	00 - FF	00
M126	1E7D	00 - FF	00
M127	1E7E	00 - FF	01
M128	1E7F	00 - FF	00
M129	1E80	00 - FF	01
M130	1E81	00 - FF	00
M131	1E82	00 - FF	01
M132	1E83	00 - FF	00
M133	1E84	00 - FF	00
M134	1E85	00 - FF	00
M135	1E86	00 - FF	00
M136	1E87	00 - FF	00
M137	1E88	00 - FF	00
M138	1E89	00 - FF	00
M139	1E8A	00 - FF	00
M140	1E8B	00 - FF	00
M141	1E8C	00 - FF	00
M142	1E8D	00 - FF	00
M143	1E8E	00 - FF	00
M144	1E8F	00 - FF	00
M145	1E90	00 - FF	00
M146	1E91	00 - FF	00
M147	1E92	00 - FF	00
M148	1E93	00 - FF	00
M149	1E94	00 - FF	00
M150	1E95	00 - FF	00
M151	1E96	00 - FF	00
M152	1E97	00 - FF	00
M153	1E98	00 - FF	00
M154	1E99	00 - FF	00
M155	1E9A	00 - FF	01
M156	1E9B	00 - FF	00
M157	1E9C	00 - FF	03
M158	1E9D	00 - FF	00
M159	1E9E	00 - FF	00
M160	1E9F	00 - FF	00
M161	1EA0	00 - FF	00
M162	1EA1	00 - FF	00
M163	1EA2	00 - FF	01
M164	1EA3	00 - FF	00
M165	1EA4	00 - FF	00
M166	1EA5	00 - FF	00
M167	1EA6	00 - FF	00
M168	1EA7	00 - FF	00
M169	1EA8	00 - FF	00
M170	1EA9	00 - FF	00
M171	1EAA	00 - FF	00
M172	1EAB	00 - FF	00

Item No.	Item	Variable range	Setting value
M173	1EAC	00 - FF	09
M174	1EAD	00 - FF	00
M175	1EAE	00 - FF	00
M176	1EAF	00 - FF	00
M177	1EB0	00 - FF	0A
M178	1EB1	00 - FF	00
M179	1EB2	00 - FF	01
M180	1EB3	00 - FF	00
M181	1EB4	00 - FF	00
M182	1EB5	00 - FF	00
M183	1EB6	00 - FF	00
M184	1EB7	00 - FF	00
M185	1EB8	00 - FF	00
M186	1EB9	00 - FF	00
M187	1EBA	00 - FF	00
M188	1EBB	00 - FF	00
M189	1EBC	00 - FF	00
M190	1EBD	00 - FF	00
M191	1EBE	00 - FF	00
M192	1EBF	00 - FF	00
M193	1EC0	00 - FF	00
M194	1EC1	00 - FF	00
M195	1EC2	00 - FF	00
M196	1EC3	00 - FF	00
M197	1EC4	00 - FF	00
M198	1EC5	00 - FF	00
M199	1EC6	00 - FF	00
M200	1EC7	00 - FF	00
M201	1EC8	00 - FF	00
M202	1EC9	00 - FF	00
M203	1ECA	00 - FF	00
M204	1ECB	00 - FF	00
M205	1ECC	00 - FF	02
M206	1ECD	00 - FF	00
M207	1ECE	00 - FF	00
M208	1ECF	00 - FF	00
M209	1ED0	00 - FF	00
M210	1ED1	00 - FF	00
M211	1ED2	00 - FF	00
M212	1ED3	00 - FF	00
M213	1ED4	00 - FF	00
M214	1ED5	00 - FF	FF
M215	1ED6	00 - FF	00
M216	1ED7	00 - FF	00
M217	1ED8	00 - FF	00
M218	1ED9	00 - FF	00
M219	1EDA	00 - FF	00
M220	1EDB	00 - FF	00
M221	1EDC	00 - FF	00
M222	1EDD	00 - FF	00
M223	1EDE	00 - FF	00
M224	1EDF	00 - FF	00

4.6.4 DRIVE SYSTEM SETTING (Fixed values)

Item No.	Item	Variable range	Setting value
F001	DD	000 - 001	000
F002	RAM REF	000 - 001	000

4.6.5 NOT USED (Fixed values)

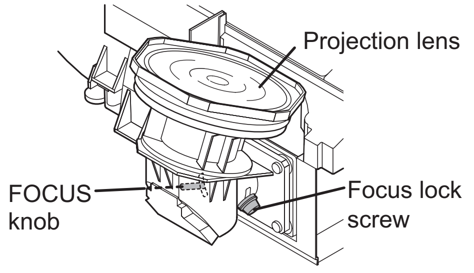
Item No.	Item	Variable range	Setting value
D001	RESREV	000 - 255	002

4.6.6 NOT USED (Fixed values)

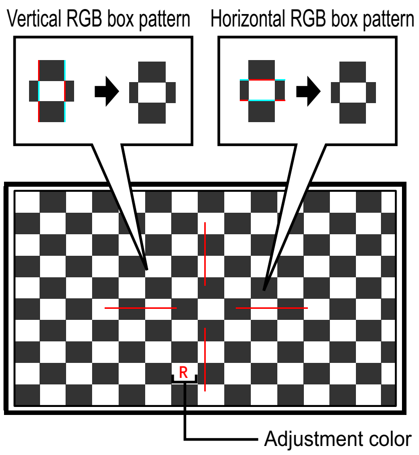
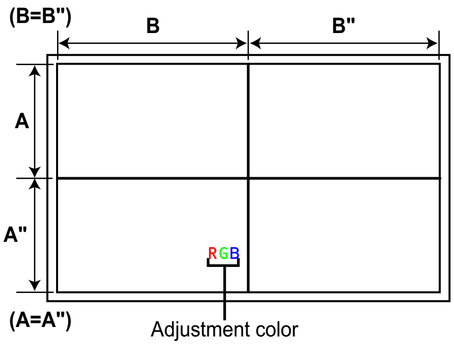
Item No.	Item	Variable range	Setting value
Z001	RESREV	000 - 255	002

4.7 ADJUSTMENT PROCEDURE

4.7.1 FOCUS

Item	Measuring instrument	Test point	Adjustment part	Description
LENS FOCUS	Hexagon wrench (2.5mm)		FOCUS knob [PROJECTION LENS]	(1) Remove the SPEAKER GRILL and CENTER PANEL. (2) Display the MENU screen. (3) Loosen the focus lock screw. (4) Adjust the **FOCUS knob** so that the center screen may become the best focus. (5) Fix the focus lock screw by using the Hexagon wrench. • On this occasion, hold the FOCUS knob with your left hand. (6) Confirm the whole focus of the best screen. (7) Install the CENTER PANEL and SPEAKER GRILL.
				

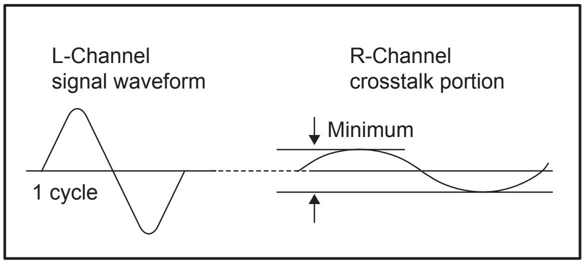
4.7.2 DRIVE CIRCUIT

Item	Measuring instrument	Test point	Adjustment part	Description
DRIVE CONVERGENCE  Vertical RGB box pattern Horizontal RGB box pattern R Adjustment color	Remote control unit		[9.RGB BOX PATTERN]	(1) Set to **"0 minutes"** using the **[SLEEP TIMER]** key. (2) Press the **[VIDEO STATUS]** key and **[DISPLAY]** key simultaneously, to enter the SERVICE MODE. (3) Press the **[9]** key, to select "**RGB BOX PATTERN MODE**" from the SERVICE MODE. (4) Set the adjustment color mode to "R" to set the red color adjustment mode. (5) At Horizontal RGB box pattern, adjust the top edge position as same or less than 0.5 pixel hight as green. (6) At Vertical RGB box pattern, adjust the right edge position as same or less than 0.5 pixel hight as green. (7) Set the adjustment color mode to "B" to set the blue color adjustment mode. (8) At Horizontal RGB box pattern, adjust the top edge position as same or less than 0.5 pixel hight as green. (9) At Vertical RGB box pattern, adjust the right edge position as same or less than 0.5 pixel hight as green. (10) Check to see that the cross pattern is white. If the cross pattern is not white, repeat the step 4. to 9. as abobe. **NOTE:** • Green is a fixed. (It can not be removed.) • With this adjustment mode, the changed data is written in the MEMORY instantly.
DRIVE CENTER POSITION  (B=B") B B" A A" RGB (A=A") Adjustment color	Remote control unit Signal generator		[9.RGB BOX PATTERN]	(1) Receive a center cross (or crosshatch) pattern. (2) Set to **"0 minutes"** using the **[SLEEP TIMER]** key. (3) Press the **[VIDEO STATUS]** key and **[DISPLAY]** key simultaneously, to enter the SERVICE MODE. (4) Press the **[9]** key, to select "**RGB BOX PATTERN MODE**" from the SERVICE MODE. (5) Set the adjustment color mode to "RGB" to set the display position adjustment mode. (6) Adjust the top and the bottom width to make **A** and **A"** even. (7) Adjust the left and the right width to make **B** and **B"** even. **NOTE:** • With this adjustment mode, the changed data is written in the MEMORY instantly.

4.7.3 VIDEO CIRCUIT

Item	Measuring instrument	Test point	Adjustment part	Description
WHITE BALANCE (HIGHLIGHT)	Remote control unit Signal generator		[1.ADJUST] S001: R DRIVE (Red drive) S002: G DRIVE (Green drive) S003: B DRIVE (Blue drive)	(1) Receive a NTSC 75% all white pattern. (2) Set "VIDEO STATUS" to **"STANDARD"**. (3) Set "ASPECT" to **"FULL"**. (4) Select "COLOR TEMPERATURE" to **"LOW"**. (5) Select **"1.ADJUST"** from the SERVICE MODE. (6) Adjust to keep one of **< S001 >** (Red drive), **< S002 >** (Green drive) or **< S003 >** (Blue drive) unchanged, then lower the other two so that the all-white screen is equally white throughout. **NOTE:** Set one or more of **< S001 >**, **< S002 >**, and **< S003 >** to **"128"**. (7) Check that white balance is properly tracked from low light to high light. If the white balance tracking is deviated, adjust to correct it. (8) Press the **[MUTING]** key to memoirze the set value.

4.7.4 MTS CIRCUIT

Item	Measuring instrument	Test point	Adjustment part	Description
MTS INPUT LEVEL	Remote control unit		[1.ADJUST] T001: IN LEVEL	(1) Receive the any broadcast. (2) Select **"1.ADJUST"** from the SERVICE MODE. (3) Verify that the **< T001 >** (IN LEVEL) is set at its initial setting value. (4) Press the **[MUTING]** key to memorize the set value.
MTS SEPARATION	TV audio multiplex signal generator Oscilloscope Remote control unit	L OUT R OUT	[1.ADJUST] T002: LOW SEP T003: HI SEP	(1) Input the stereo L signal (300Hz) from the TV audio multiplex signal generator to the antenna terminal. (2) Connect an oscilloscope to **L OUT** pin of the **AUDIO OUT**, and display one cycle portion of the 300Hz signal. (3) Change the connection of the oscilloscope to R OUT pin of the **AUDIO OUT**, and enlarge the voltage axis. (4) Select **"1.ADJUST"** from the SERVICE MODE. (5) Set the initial setting value of the **< T002 >** (LOW SEP). (6) Adjust the **< T002 >** so that the stroke element of the 300Hz signal will become minimum. (7) Change the signal to 3kHz, and similarly adjust the **< T003>** (HI SEP). (8) Press the **[MUTING]** key to memorize the set value.
 L-Channel signal waveform R-Channel crosstalk portion Minimum 1 cycle				

SECTION 5
TROUBLESHOOTING

5.1 SELF CHECK FEATURE

5.1.1 OUTLINE

This unit comes with the "Self check" feature, which checks the operational state of the circuit and displays/saves it during failure.Diagnosis is performed when power is turned on, and information input to the main microcomputer is monitored at all time.Diagnosis is displayed in 2 ways via screen display and LED flashes. Failure detection is based on input state of I^2C bus and the various control lines connected to the main microcomputer.

5.1.2 HOW TO ENTER THE SELF CHECK MODE

Before entering the Self check Display mode, confirm that the setting of **TV/CATV** SW of the REMOTE CONTROL UNIT is at the **"TV"** side and the setting of **VCR/DVD** SW is at the **"VCR"** side. If the switches have not been properly set, you cannot enter the Self check Display mode.

(1) Set to "**0 minutes**" using the **[SLEEP TIMER]** key.
(2) While **"0 minutes"** is displayed, press the **[VIDEO STATUS]** key and **[DISPLAY]** key simultaneously, then enter the service mode.
(3) Press the **[2]** key (SELF CHECK) before the service mode screen disappears.
(4) Press the **[SLEEP TIMER]** key to enter Page 2 of the SELF CHECK MODE.
  - When the **[RETURN+]** key pressed, the first page change screen.

NOTE:

When a number key other than the **[2]** key is pressed in the SERVICE MENU SCREEN, the other relevant screen may be displayed.
This is not used in the SELF CHECK. Press the **[MENU]** key to return to the SERVICE MENU SCREEN.

5.1.3 HOW TO EXIT THE SELF CHECK MODE

TO SAVE FAILURE HISTORY:

Turn off the power by unplugging the AC power cord plug when in the Self check display mode.

TO CLEAR (RESET) FAILURE HISTORY:

Turn off the power by pressing the **[POWER]** key on the remote control unit when in the Self check display mode.

5.1.4 FAILURE HISTORY

Failure history can be counted up to 9 times for each item. When the number exceeds 9, display will remain as 9. Failure history will be stored in the memory unless it has been deleted.

NOTE:

Only SYNC (with/without sync signals) will be neither counted nor stored.

5.1.5 POINTS TO NOTE WHEN USING THE SELF CHECK FEATURE

In addition to circuit failures (abnormal operation), the following cases may also be diagnosed as "Abnormal" and displayed and counted as "NG".

(1) Temporary defective transmissions across circuits due to pulse interruptions
(2) Misalignment in the on/off timing of power for I^2C bus (VCC) when turning on/off the main power.

Diagnosis may be impeded if a large number of items are displayed as "NG". As such, start Self check check only after 3 seconds in the case of receivers and 5 seconds in the case of panels upon turning on the power. If recurrences are expected, ensure to clear (reset) the failure history and record the new diagnosis reults.

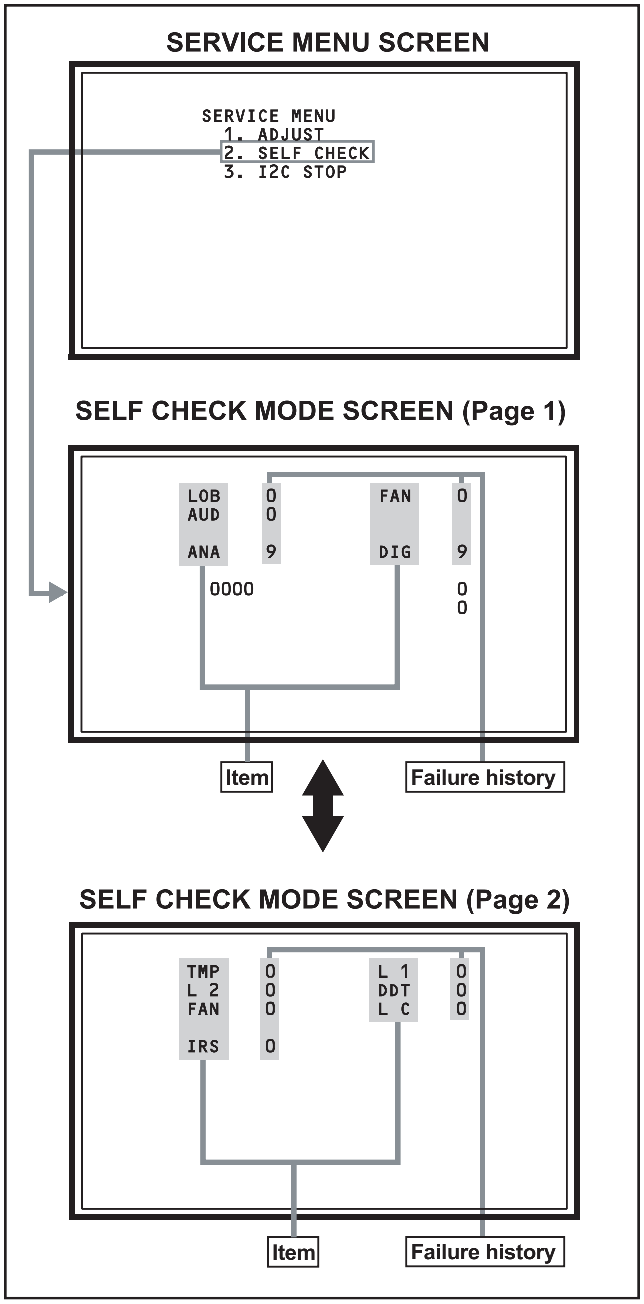


Fig.1

5.1.6 DETAILS

Self check is performed for the following items:

< Page 1 of screen >

Detection item	Display	Detection content	Diagnosis signal (line)	Detection timing
Low bias line short protection	LOB	Detection of the low bias line(5V/9V/12V) short. Q9821, Q9831, Q9861 **[POWER PWB]**	LB_PRO	Detection starts 3 seconds after the power is turned on. If error continues between 200ms the power is turned off.
Fan lock	FAN	Not used	----	----
Audio	AUD	Not used	----	----
Devices on the ANALOG PWB	ANA	Confirmation of reply of ACK signal which uses I2C communication. IC101, IC102, IC281, IC381, IC601, IC606, IC061, TU001 **[ANALOG PWB]**	SDA	If it checks whenever I2C communication is performed and no reply of ACK signal an error will be counted.
Devices on the DIGITAL PWB	DIG	Confirmation of reply of ACK signal which uses I2C communication. IC6401, IC8831 **[DIGITAL PWB]**	SDA	If it checks whenever I2C communication is performed and no reply of ACK signal an error will be counted.

< Page 2 of screen >

Detection item	Display	Detection content	Diagnosis signal (line)	Detection timing
Temp. sensor	TMP	Confirmation of the abnormal inner cabinet temperature. (53°C) IC2001 **[THERMO PWB]**	TXD	It will count if the serial communication from a DD MICOM is always supervised and an error occurs.
Lamp does not light up	L1	Confirm that the lamp dose not light up. CNBCT **[DRIVE PWB]**	TXD	It will count if the serial communication from a DD MICOM is always supervised and an error occurs.
Lamp goes out	L2	Confirm that the lamp dose not goes out. CNBCT **[DRIVE PWB]**	TXD	It will count if the serial communication from a DD MICOM is always supervised and an error occurs.
Abnormal DD CPU circuit	DDT	Confirmation of the serial communication error between DRIVE PWB and DIGITAL PWB. IC3701 **[DRIVE PWB]**	TXD	It will count if the serial communication error is error occurs.
Fan lock	FAN	Confirmation of the lock signals outputting the operation(circuit) status of the cooling fan. IC8005 **[DRIVE PWB]**	TXD	It will count if the serial communication from a DD MICOM is always supervised and an error occurs.
Lamp cover open	LC	Confirmation of the interlock switch status for the lamp cover. S0861 **[LAMP COVER SW PWB]**	TXD	It will count if the serial communication from a DD MICOM is always supervised and an error occurs.
Abnormal of optical iris	IRS	Confirmation of the abnormal optical iris operation. IC5005 **[IRIS PWB]**	TXD	It will count if the serial communication from a DD MICOM is always supervised and an error occurs.

5.1.7 DISPLAY METHOD WHEN RASTER IS NOT AVAILABLE

In a state where a display screen does not appear due to the failure of this unit, the POWER LED (blue) and LAMP/PROGRAM LED (orange) can be flushing and display a trouble mode.

The factors in case the power is forcibly shut down at the time of failure are memorized and those are displayed.

Check item	**Contents**	**Classifications**	**LED flash cycle**	
			POWER LED (BLUE)	**LAMP/ PROGRAM LED (ORANGE)**
Fan lock (stop) and CABLE CARD error for ATSC tuner	MAIN CPU detects the command of the Fan lock (stop) and CABLE CARD error which ATSC TUNER MODULE has detected. IC7601 **[DIGITAL PWB]**	1	---	2 sec interval
Low bias line short protection	Detection of the low bias line(5V/9V/12V) short. Q9821, Q9831, Q9861 **[POWER PWB**]	2	---	1 sec interval
Lamp cover open	Detection of the interlock switch status for the lamp cover. (H = Abnormal) S0861 **[LAMP COVER SW PWB]**	3	0.1 sec interval Simultaneously	
Lamp goes out	Detection of lamp return (LAMP_RTN) signals output depending on the status of the lamp supply electric current monitored constantly within the lamp ballast unit. (H = Off) CNBCT **[DRIVE PWB]**	6	0.1 sec interval Simultaneously	
Lamp does not light up	Detection of lamp return (LAMP_RTN) signals output depending on the status of the lamp supply electric current monitored constantly within the lamp ballast unit. (H = Off) CNBCT **[DRIVE PWB]**	6	0.1 sec interval Simultaneously	
Fan lock (stop) for optical system	Detection of LOCK signals outputting the operation (circuit) status of the cooling fan. (H=Abnormal) IC8005 **[DRIVE PWB]**	4	0.5 sec interval Alternately	
Abnormal DD CPU circuit	Detection of serial communication error between MAIN DRIVE PWB and RECEIVER PWB. IC3701 **[DRIVE PWB]**	5	0.5 sec interval Alternately	
Abnormal D-ILA DEVICE temperature	Detection of abnormal inner cabinet temperature. (53°C) IC2001 **[THERMO PWB]**	7	0.5 sec interval Alternately	

EXPLANATION ON ACTION

If NG is detected on an item being diagnosed, turn off the power on this unit. As soon as the power goes off, turn on and off POWER LED and LAMP LED immediately. After the power is shut down, it becomes impossible to turn on the power until the power cable is either plugged in or unplugged from the AC outlet.

- When the error of [1] or [2] occur, [3], [4], [5], [6], [7] are no longer recognized.

Victor Company of Japan, Limited
ILA Display Category 12, 3-chome, Moriya-cho, Kanagawa-ku, Yokohama-city, Kanagawa-prefecture, 221-8528, Japan

Printed in Japan
VPT

JVC

SCHEMATIC DIAGRAMS

D-ILA PROJECTION TELEVISION

HD-56FH96,
HD-61FH96,
HD-70FH96

CD-ROM No.SML200512

BASIC CHASSIS
RA

HD-ILA™ Powered by D-ILA

D.I.S.T. Digital Image Scaling Technology

HDTV

HDMI™ HIGH-DEFINITION MULTIMEDIA INTERFACE

BBE

DCR DOLBY DIGITAL

[HD-70FH96]

COPYRIGHT © 2005 Victor Company of Japan, Limited

No.YA337
2005/12

HD-56FH96, HD-61FH96, HD-70FH96

STANDARD CIRCUIT DIAGRAM

■ NOTE ON USING CIRCUIT DIAGRAMS

1.SAFETY

The components identified by the ⚠ symbol and shading are critical for safety. For continued safety replace safety ciritical components only with manufactures recommended parts.

2.SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

(1)Input signal	: Colour bar signal
(2)Setting positions of each knob/button and variable resistor	: Original setting position when shipped
(3)Internal resistance of tester	: DC 20kΩ/V
(4)Oscilloscope sweeping time	: H ⇒ 20μs / div : V ⇒ 5ms / div : Oththers ⇒ Sweeping time is specified
(5)Voltage values	: All DC voltage values

∗ Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

3.INDICATION OF PARTS SYMBOL [EXAMPLE]

- ● In the PW board : R209 → R209

4.INDICATIONS ON THE CIRCUIT DIAGRAM

(1)Resistors

● Resistance value

No unit	: [Ω]
K	: [kΩ]
M	: [MΩ]

● Rated allowable power

No indication	: 1/16 [W]
Others	: As specified

● Type

No indication	: Carbon resistor
OMR	: Oxide metal film resistor
MFR	: Metal film resistor
MPR	: Metal plate resistor
UNFR	: Uninflammable resistor
FR	: Fusible resistor

∗ Composition resistor 1/2 [W] is specified as 1/2S or Comp.

(2)Capacitors

● Capacitance value

1 or higher	: [pF]
less than 1	: [μF]

● Withstand voltage

No indication	: DC50[V]
Others	: DC withstand voltage [V]
AC indicated	: AC withstand voltage [V]

∗ Electrolytic Capacitors
47/50[Example]: Capacitance value [μF]/withstand voltage[V]

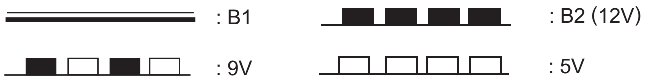
● Type

No indication	: Ceramic capacitor
MM	: Metalized mylar capacitor
PP	: Polypropylene capacitor
MPP	: Metalized polypropylene capacitor
MF	: Metalized film capacitor
TF	: Thin film capacitor
BP	: Bipolar electrolytic capacitor
TAN	: Tantalum capacitor

(3)Coils

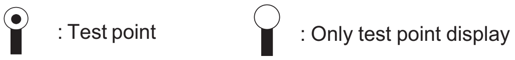
No unit	: [μH]
Others	: As specified

(4)Power Supply

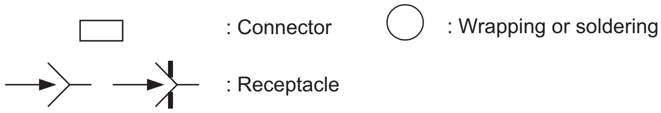


∗Respective voltage values are indicated

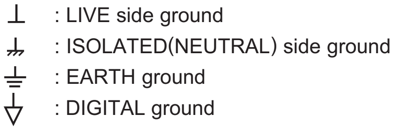
(5)Test point



(6)Connecting method



(7)Ground symbol



5.NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (⊥) side GND and the ISOLATED(NEUTRAL) : (⊥) side GND. Therefore, care must be taken for the following points.

(1)Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. if the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.

(2)Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus measure with a measuring apparatus (oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time.
If the above precaution is not respected, a fuse or any parts will be broken.

◆ **Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.**

NOTE

◆ **Due improvement in performance, some part numbers show in the circuit diagram may not agree with those indicated in the part list.**
When ordering parts, please use the numbers that appear in the Parts List.

CONTENTS

SEMICONDUCTOR SHAPES 2-3
WIRING DIAGRAM 2-5
BLOCK DIAGRAM 2-7

CIRCUIT DIAGRAMS

TUNER PWB CIRCUIT DIAGRAM 2-9
ANALOG PWB CIRCUIT DIAGRAM 2-13
DIGITAL PWB CIRCUIT DIAGRAM 2-25
DRIVE PWB CIRCUIT DIAGRAM 2-57
POWER PWB CIRCUIT DIAGRAM 2-75
IRIS PWB CIRCUIT DIAGRAM 2-81
FRONT LED PWB CIRCUIT DIAGRAM 2-83
THERMO PWB CIRCUIT DIAGRAM 2-84
LAMP COVER SW PWB CIRCUIT DIAGRAM 2-85
REMOCON PWB CIRCUIT DIAGRAM 2-86
S CONTROL PWB CIRCUIT DIAGRAM 2-87
SD CARD PWB CIRCUIT DIAGRAM 2-89
CARD VIEWER PWB CIRCUIT DIAGRAM [HD-70FH96] 2-91

PATTERN DIAGRAMS

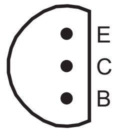
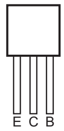
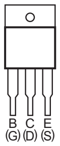
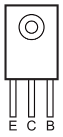
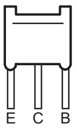
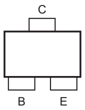
TUNERR PWB PATTERN 2-95
ANALOG PWB PATTERN 2-97
DIGITAL PWB PATTERN 2-101
DRIVE PWB PATTERN 2-105
POWER PWB PATTERN 2-109
IRIS PWB PATTERN 2-113
FRONT LED PWB PATTERN 2-113
THERMO PWB PATTERN 2-113
LAMP COVER SW PWB PATTERN 2-113
REMOCON PWB PATTERN 2-114
S CONTROL PWB PATTERN 2-114
SD CARD PWB PATTERN 2-114
CARD VIEWER PATTERN [HD-70FH96] 2-115
VOLTAGE CHATRS 2-116
WAVEFORMS 2-118

USING P.W. BOARD

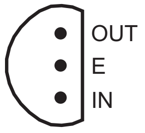
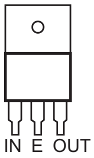
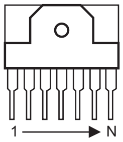
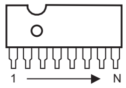
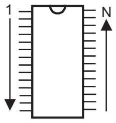
P.W.B ASS'Y name	HD-56FH96	HD-61FH96	HD-70FH96
ANALOG P.W. BOARD	SRA-1002A-M2	←	SRA-1001A-M2
DRIVE P.W. BOARD	SRA-3001A-M2	←	←
SD CARD P.W. BOARD	SRA-8501A-M2	←	←
CARD VIEWER P.W. BOARD	---	---	SRP-8511A-M2
REMOCON P.W. BOARD	SRA-8001A-M2	←	←
THERMO P.W. BOARD	SRA-8201A-M2	←	←
IRIS P.W. BOARD	SRA-8301A-M2	←	←
POWER P.W. BOARD	SRA-9002A-M2	←	SRA-9001A-M2
DIGITAL P.W. BOARD	SRA0D003A-M2	SRA0D002A-M2	SRA0D001A-M2
S CONTROL P.W. BOARD	SRA0L001A-M2	←	←
FRONT LED P.W. BOARD	SRA0L101A-M2	←	←
LAMP COVER SW P.W. BOARD	SRA0L201A-M2	←	←
TUNER P.W. BOARD	SRA0R001A-M2	←	←

SEMICONDUCTOR SHAPES

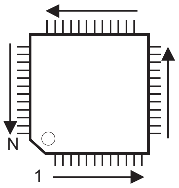
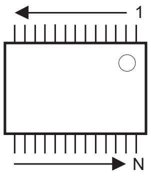
TRANSISTOR

BOTTOM VIEW	FRONT VIEW				TOP VIEW
					CHIP TR 

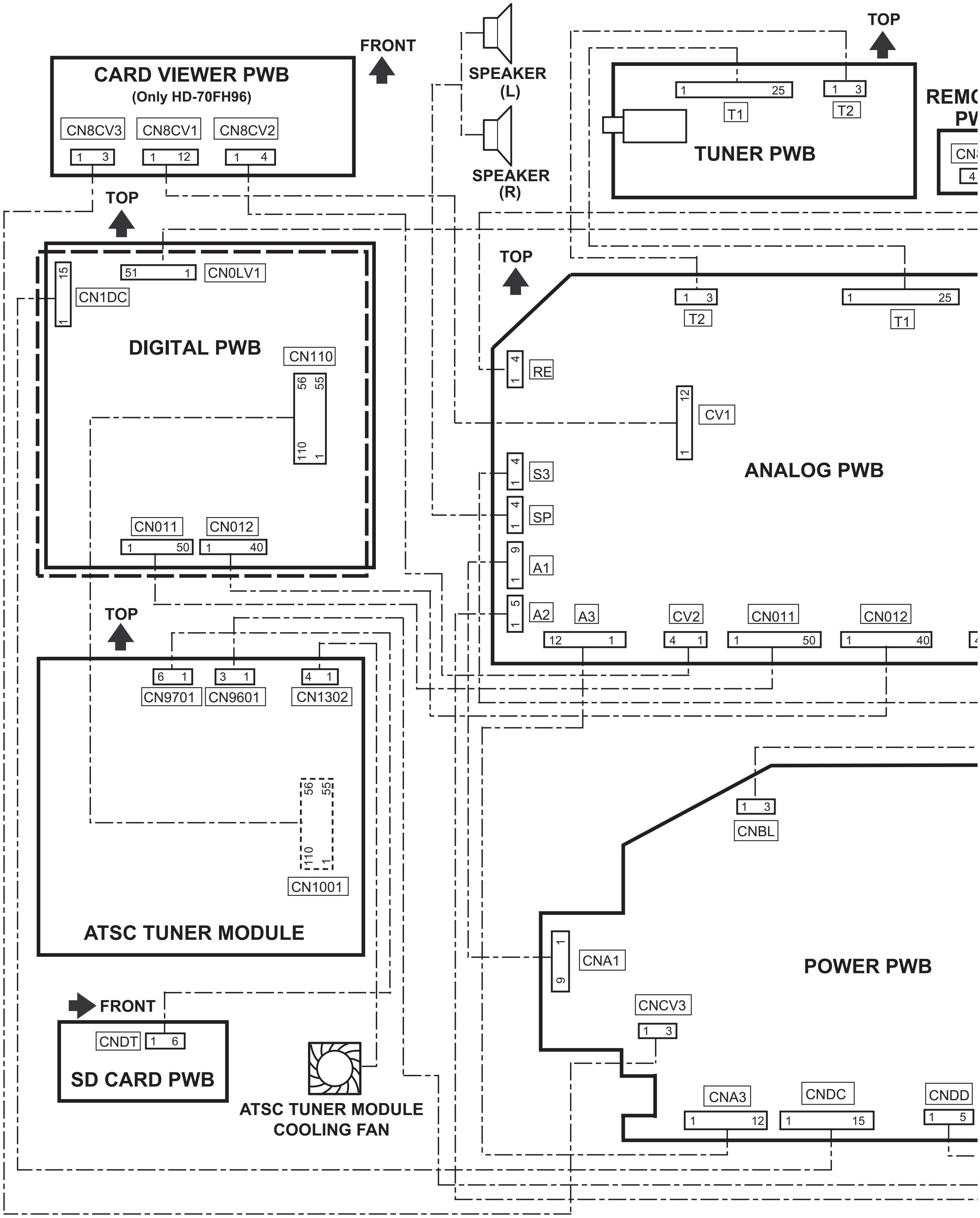
IC

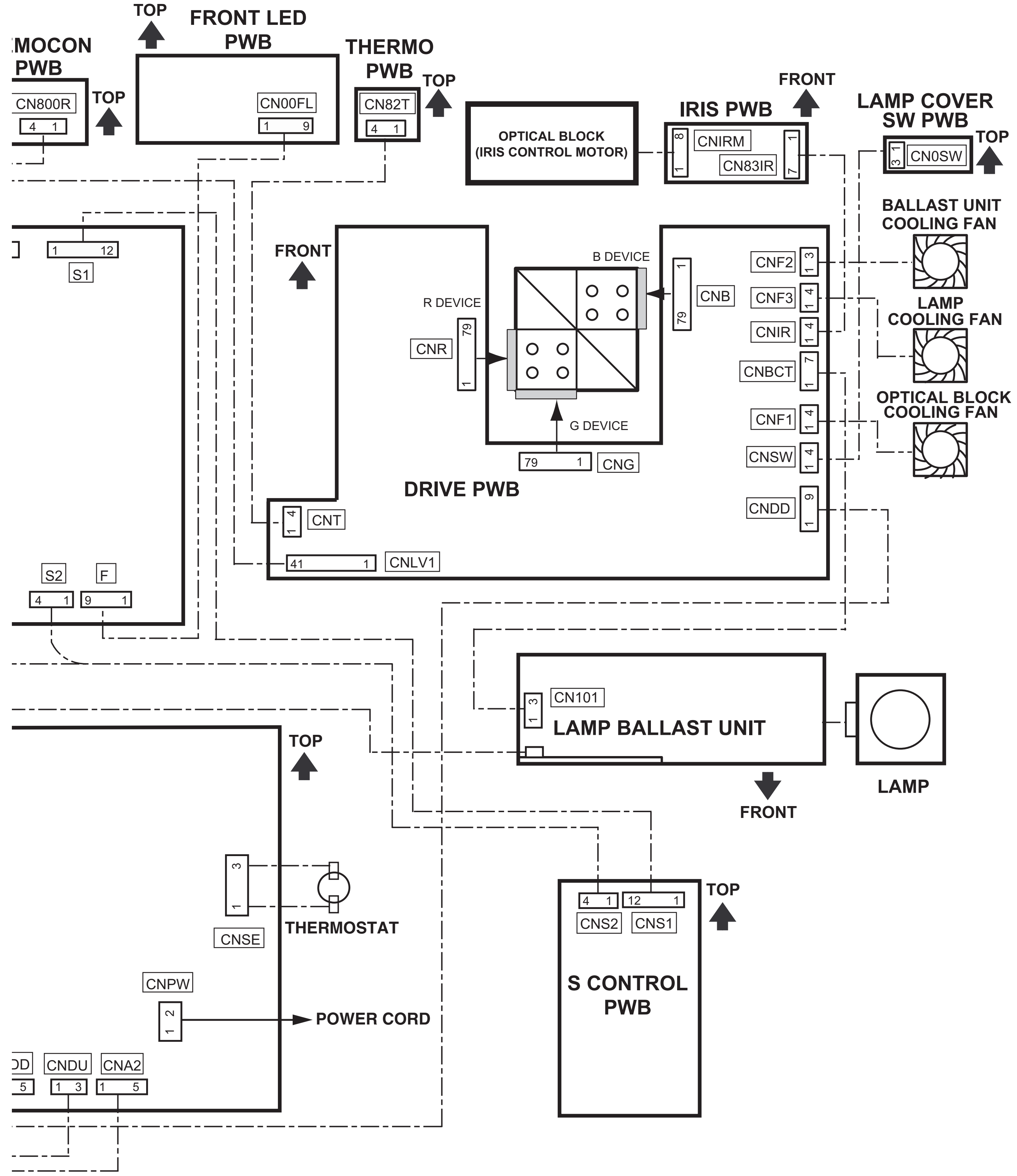
BOTTOM VIEW	FRONT VIEW			TOP VIEW
				

CHIP IC

TOP VIEW		
		

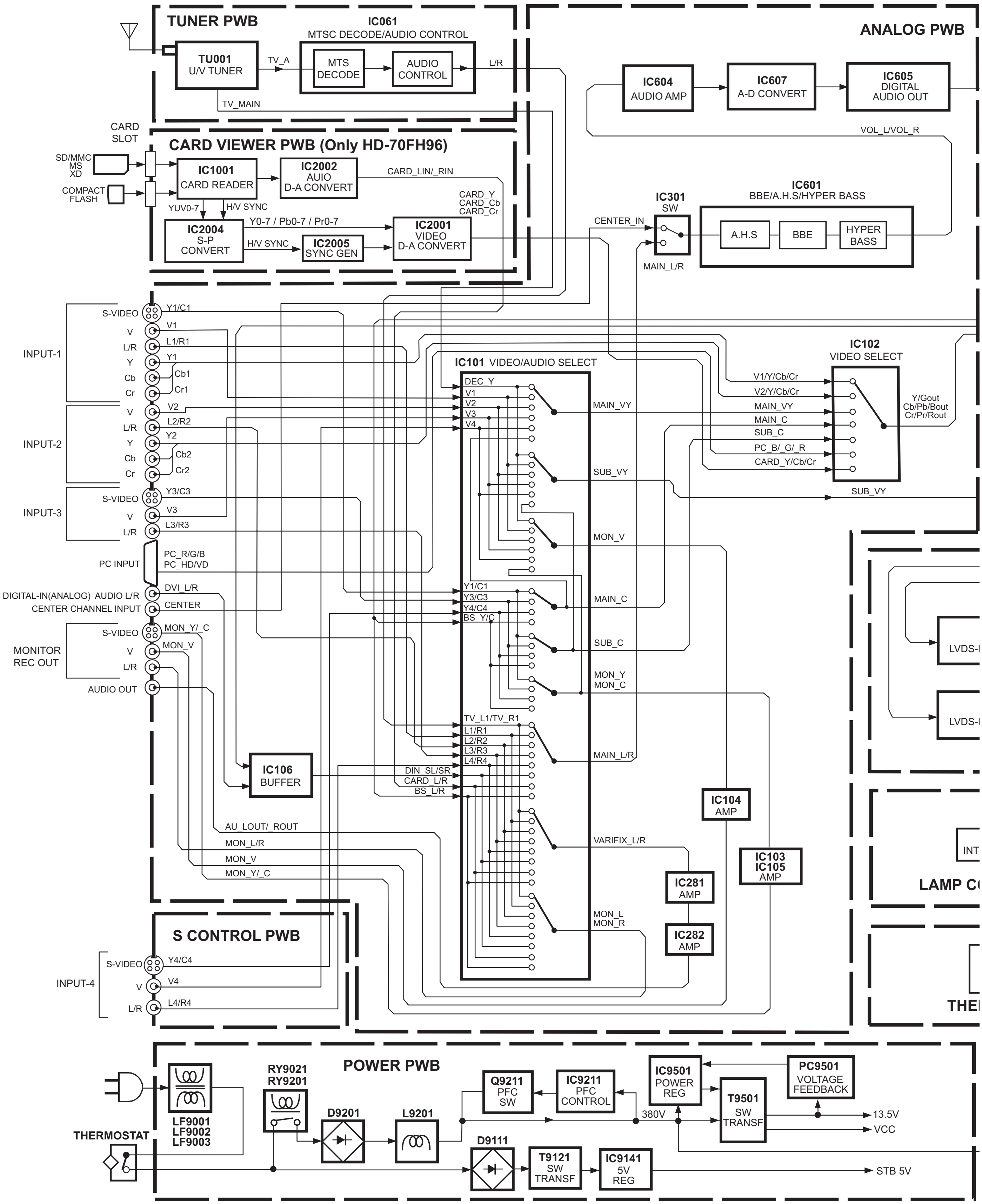
WIRING DIAGRAM

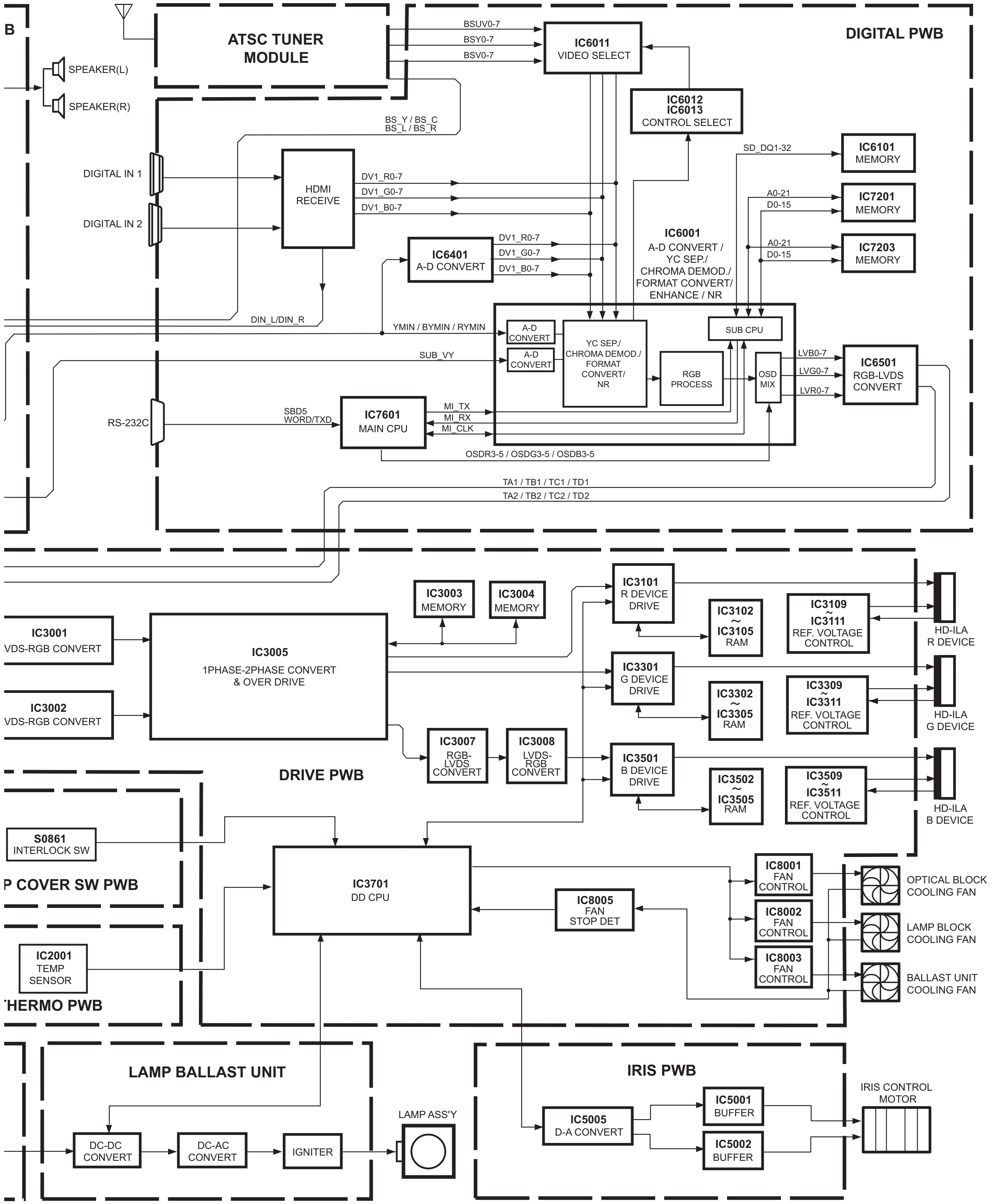

FRONT
CARD VIEWER PWB
(Only HD-70FH96)
CN8CV3
CN8CV1
CN8CV2
1 3
1 12
1 4
TOP
SPEAKER
(L)
SPEAKER
(R)
TOP
1 25
1 3
T1
T2
TUNER PWB
REMO
PW
CN
4
TOP
51 1
CN0LV1
15
1
CN1DC
DIGITAL PWB
CN110
56 55
110 1
CN011
CN012
1 50
1 40
TOP
1 3
T2
1 25
T1
4 1
RE
12 1
CV1
4 1
S3
4 1
SP
9 1
A1
5 1
A2
A3
12 1
CV2
4 1
CN011
1 50
CN012
1 40
ANALOG PWB
TOP
6 1
3 1
4 1
CN9701
CN9601
CN1302
56 55
110 1
CN1001
ATSC TUNER MODULE
1 3
CNBL
1
9
CNA1
POWER PWB
CNCV3
1 3
CNA3
1 12
CNDC
1 15
CNDD
1 5
FRONT
CNDT
1 6
SD CARD PWB
ATSC TUNER MODULE
COOLING FAN



MOCON PWB
CN800R
4 1
TOP
FRONT LED PWB
TOP
CN00FL
1 9
THERMO PWB
CN82T
4 1
TOP
OPTICAL BLOCK (IRIS CONTROL MOTOR)
IRIS PWB
FRONT
CNIRM
CN83IR
8 1
1 7
LAMP COVER SW PWB
CN0SW
3 1
TOP
BALLAST UNIT COOLING FAN
LAMP COOLING FAN
OPTICAL BLOCK COOLING FAN
1 12
S1
FRONT
R DEVICE
B DEVICE
G DEVICE
CNR
79 1
CNB
1 79
CNG
79 1
CNF2
3 1
CNF3
4 1
CNIR
4 1
CNBCT
7 1
CNF1
4 1
CNSW
4 1
CNDD
9 1
DRIVE PWB
CNT
4 1
CNLV1
41 1
S2
F
4 1
9 1
CN101
3 1
LAMP BALLAST UNIT
LAMP
FRONT
TOP
CNSE
3 1
THERMOSTAT
CNPW
2 1
POWER CORD
DD
5
CNDU
1 3
CNA2
1 5
TOP
CNS2
4 1
CNS1
12 1
S CONTROL PWB

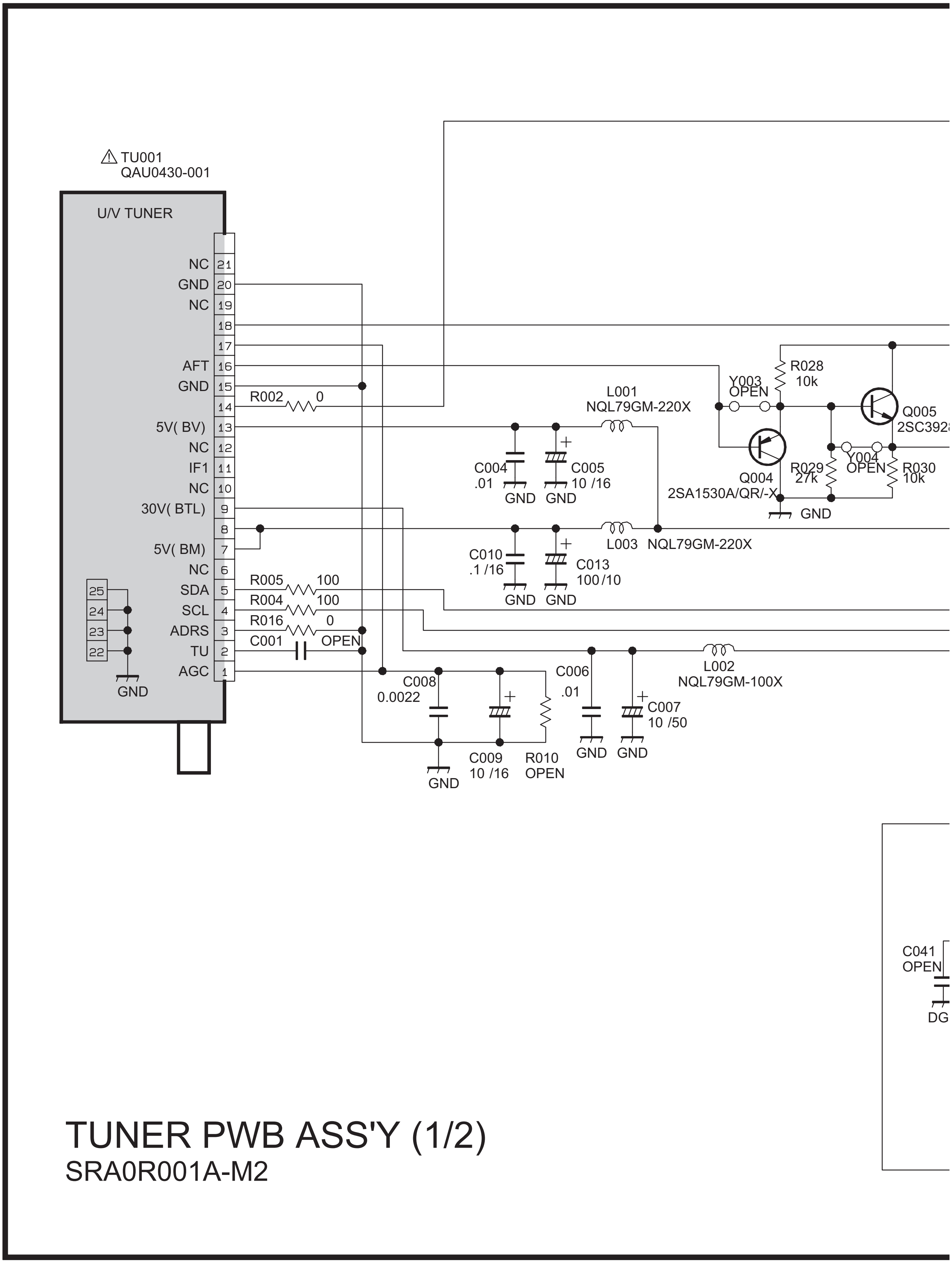
BLOCK DIAGRAM


TUNER PWB
IC061
MTSC DECODE/AUDIO CONTROL
TU001
U/V TUNER
TV_A
MTS DECODE
AUDIO CONTROL
L/R
TV_MAIN
ANALOG PWB
IC604
AUDIO AMP
IC607
A-D CONVERT
IC605
DIGITAL AUDIO OUT
VOL_L/VOL_R
CARD SLOT
CARD VIEWER PWB (Only HD-70FH96)
SD/MMC
MS
XD
COMPACT FLASH
IC1001
CARD READER
IC2002
AUIO
D-A CONVERT
CARD_LIN/_RIN
CARD_Y
CARD_Cb
CARD_Cr
YUV0-7
H/V SYNC
IC2004
S-P CONVERT
Y0-7 / Pb0-7 / Pr0-7
H/V SYNC
IC2005
SYNC GEN
IC2001
VIDEO
D-A CONVERT
CENTER_IN
IC301
SW
MAIN_L/R
IC601
BBE/A.H.S/HYPER BASS
A.H.S
BBE
HYPER BASS
INPUT-1
S-VIDEO
V
L/R
Y
Cb
Cr
Y1/C1
V1
L1/R1
Y1
Cb1
Cr1
INPUT-2
V
L/R
Y
Cb
Cr
V2
L2/R2
Y2
Cb2
Cr2
INPUT-3
S-VIDEO
V
L/R
Y3/C3
V3
L3/R3
PC INPUT
PC_R/G/B
PC_HD/VD
DIGITAL-IN(ANALOG) AUDIO L/R
DVI_L/R
CENTER CHANNEL INPUT
CENTER
MONITOR REC OUT
S-VIDEO
V
L/R
MON_Y/_C
MON_V
AUDIO OUT
IC101 VIDEO/AUDIO SELECT
DEC_Y
V1
V2
V3
V4
MAIN_VY
SUB_VY
MON_V
Y1/C1
Y3/C3
Y4/C4
BS_Y/C
MAIN_C
SUB_C
MON_Y
MON_C
TV_L1/TV_R1
L1/R1
L2/R2
L3/R3
L4/R4
MAIN_L/R
DIN_SL/SR
CARD_L/R
BS_L/R
VARIFIX_L/R
MON_L
MON_R
IC102
VIDEO SELECT
V1/Y/Cb/Cr
V2/Y/Cb/Cr
MAIN_VY
MAIN_C
SUB_C
PC_B/_G/_R
CARD_Y/Cb/Cr
Y/Gout
Cb/Pb/Bout
Cr/Pr/Rout
SUB_VY
IC106
BUFFER
AU_LOUT/_ROUT
MON_L/R
MON_V
MON_Y/_C
IC104
AMP
IC103
IC105
AMP
IC281
AMP
IC282
AMP
LVDS-I
LVDS-I
INT
LAMP C
THE
S CONTROL PWB
INPUT-4
S-VIDEO
V
L/R
Y4/C4
V4
L4/R4
POWER PWB
THERMOSTAT
LF9001
LF9002
LF9003
RY9021
RY9201
D9201
L9201
Q9211
PFC SW
IC9211
PFC CONTROL
IC9501
POWER REG
PC9501
VOLTAGE FEEDBACK
T9501
SW TRANSF
380V
13.5V
VCC
D9111
T9121
SW TRANSF
IC9141
5V REG
STB 5V

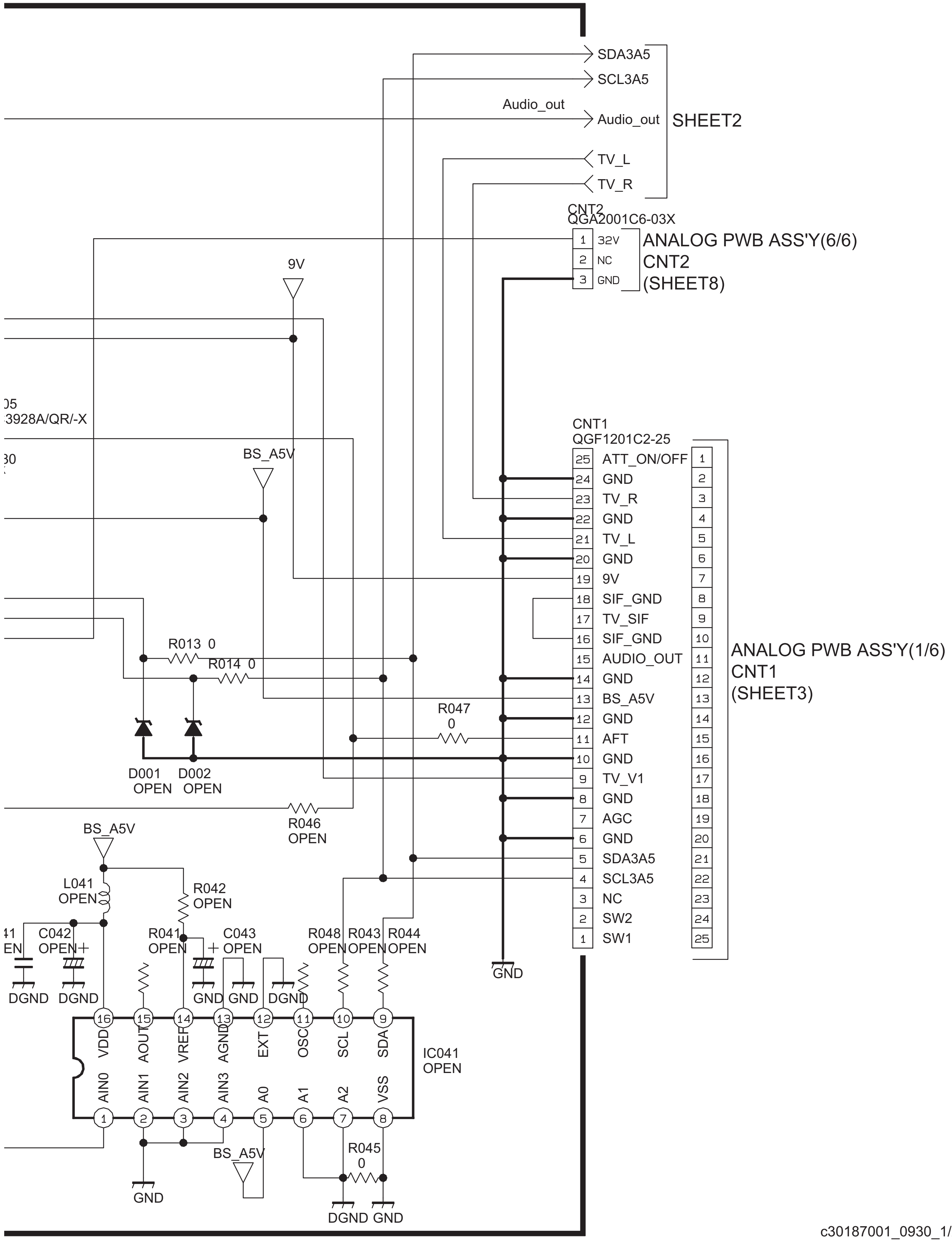

B
SPEAKER(L)
SPEAKER(R)
ATSC TUNER MODULE
DIGITAL PWB
BSUV0-7
BSY0-7
BSV0-7
IC6011
VIDEO SELECT
IC6012
IC6013
CONTROL SELECT
BS_Y / BS_C
BS_L / BS_R
SD_DQ1-32
IC6101
MEMORY
DIGITAL IN 1
DIGITAL IN 2
HDMI RECEIVE
DV1_R0-7
DV1_G0-7
DV1_B0-7
A0-21
D0-15
IC7201
MEMORY
IC6001
A-D CONVERT /
YC SEP./
CHROMA DEMOD./
FORMAT CONVERT/
ENHANCE / NR
A0-21
D0-15
IC7203
MEMORY
IC6401
A-D CONVERT
DV1_R0-7
DV1_G0-7
DV1_B0-7
DIN_L/DIN_R
YMIN / BYMIN / RYMIN
A-D CONVERT
SUB_VY
A-D CONVERT
YC SEP./
CHROMA DEMOD./
FORMAT
CONVERT/
NR
RGB PROCESS
SUB CPU
OSD MIX
LVB0-7
LVG0-7
LVR0-7
IC6501
RGB-LVDS CONVERT
RS-232C
SBD5
WORD/TXD
IC7601
MAIN CPU
MI_TX
MI_RX
MI_CLK
OSDR3-5 / OSDG3-5 / OSDB3-5
TA1 / TB1 / TC1 / TD1
TA2 / TB2 / TC2 / TD2
IC3003
MEMORY
IC3004
MEMORY
IC3101
R DEVICE DRIVE
IC3102
~
IC3105
RAM
IC3109
~
IC3111
REF. VOLTAGE CONTROL
HD-ILA
R DEVICE
IC3001
VDS-RGB CONVERT
IC3005
1PHASE-2PHASE CONVERT
& OVER DRIVE
IC3301
G DEVICE DRIVE
IC3302
~
IC3305
RAM
IC3309
~
IC3311
REF. VOLTAGE CONTROL
HD-ILA
G DEVICE
IC3002
VDS-RGB CONVERT
IC3007
RGB-LVDS CONVERT
IC3008
LVDS-RGB CONVERT
IC3501
B DEVICE DRIVE
IC3502
~
IC3505
RAM
IC3509
~
IC3511
REF. VOLTAGE CONTROL
HD-ILA
B DEVICE
DRIVE PWB
S0861
INTERLOCK SW
P COVER SW PWB
IC3701
DD CPU
IC8001
FAN CONTROL
OPTICAL BLOCK COOLING FAN
IC8005
FAN STOP DET
IC8002
FAN CONTROL
LAMP BLOCK COOLING FAN
IC2001
TEMP SENSOR
IC8003
FAN CONTROL
BALLAST UNIT COOLING FAN
THERMO PWB
LAMP BALLAST UNIT
DC-DC CONVERT
DC-AC CONVERT
IGNITER
LAMP ASS'Y
IRIS PWB
IC5005
D-A CONVERT
IC5001
BUFFER
IC5002
BUFFER
IRIS CONTROL MOTOR

CIRCUIT DIAGRAMS

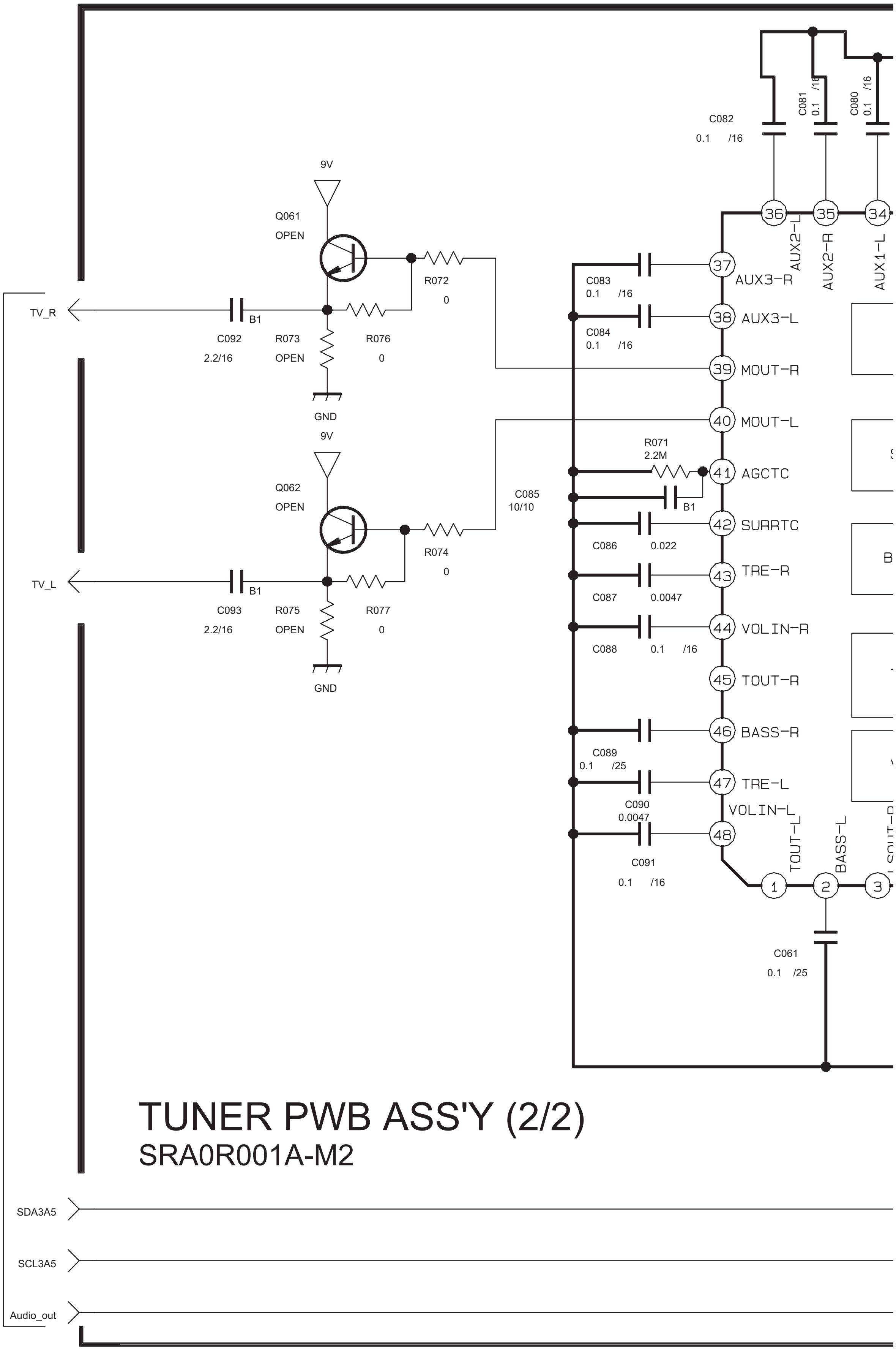
TUNER PWB CIRCUIT DIAGRAM (1/2) SHEET1

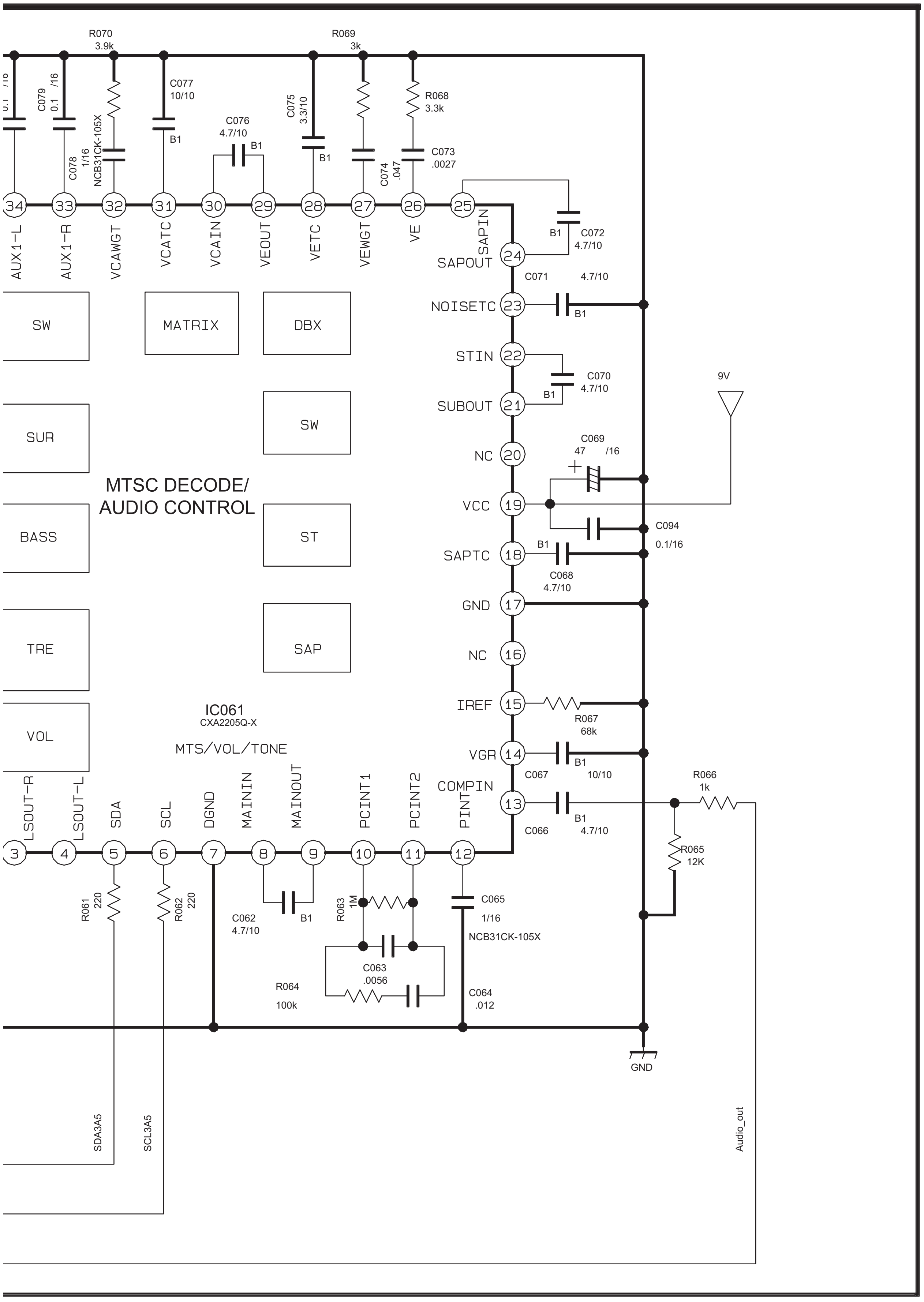


⚠ TU001
QAU0430-001
U/V TUNER
NC 21
GND 20
NC 19
18
17
AFT 16
GND 15
14
5V(BV) 13
NC 12
IF1 11
NC 10
30V(BTL) 9
8
5V(BM) 7
NC 6
SDA 5
SCL 4
ADRS 3
TU 2
AGC 1
25
24
23
22
GND
R002 0
L001
NQL79GM-220X
C004
.01
GND
C005
10 /16
GND
L003 NQL79GM-220X
C010
.1 /16
GND
C013
100 /10
GND
R005 100
R004 100
R016 0
C001 OPEN
C008
0.0022
GND
C009
10 /16
R010
OPEN
C006
.01
GND
C007
10 /50
GND
L002
NQL79GM-100X
Y003
OPEN
R028
10k
Q004
2SA1530A/QR/-X
Q005
2SC392
R029
27k
Y004
OPEN
R030
10k
GND
C041
OPEN
DG
TUNER PWB ASS'Y (1/2)
SRA0R001A-M2


SDA3A5
SCL3A5
Audio_out
Audio_out
TV_L
TV_R
SHEET2
CNT2
QGA2001C6-03X
1 32V
2 NC
3 GND
ANALOG PWB ASS'Y(6/6)
CNT2
(SHEET8)
9V
)5
3928A/QR/-X
30
BS_A5V
CNT1
QGF1201C2-25
25 ATT_ON/OFF 1
24 GND 2
23 TV_R 3
22 GND 4
21 TV_L 5
20 GND 6
19 9V 7
18 SIF_GND 8
17 TV_SIF 9
16 SIF_GND 10
15 AUDIO_OUT 11
14 GND 12
13 BS_A5V 13
12 GND 14
11 AFT 15
10 GND 16
9 TV_V1 17
8 GND 18
7 AGC 19
6 GND 20
5 SDA3A5 21
4 SCL3A5 22
3 NC 23
2 SW2 24
1 SW1 25
ANALOG PWB ASS'Y(1/6)
CNT1
(SHEET3)
R013 0
R014 0
R047
0
D001
OPEN
D002
OPEN
R046
OPEN
BS_A5V
L041
OPEN
R042
OPEN
41
EN
C042
OPEN
R041
OPEN
C043
OPEN
R048
OPEN
R043
OPEN
R044
OPEN
GND
DGND
DGND
GND
GND
DGND
16 VDD
15 AOUT
14 VREF
13 AGND
12 EXT
11 OSC
10 SCL
9 SDA
1 AIN0
2 AIN1
3 AIN2
4 AIN3
5 A0
6 A1
7 A2
8 VSS
IC041
OPEN
GND
BS_A5V
R045
0
DGND
GND

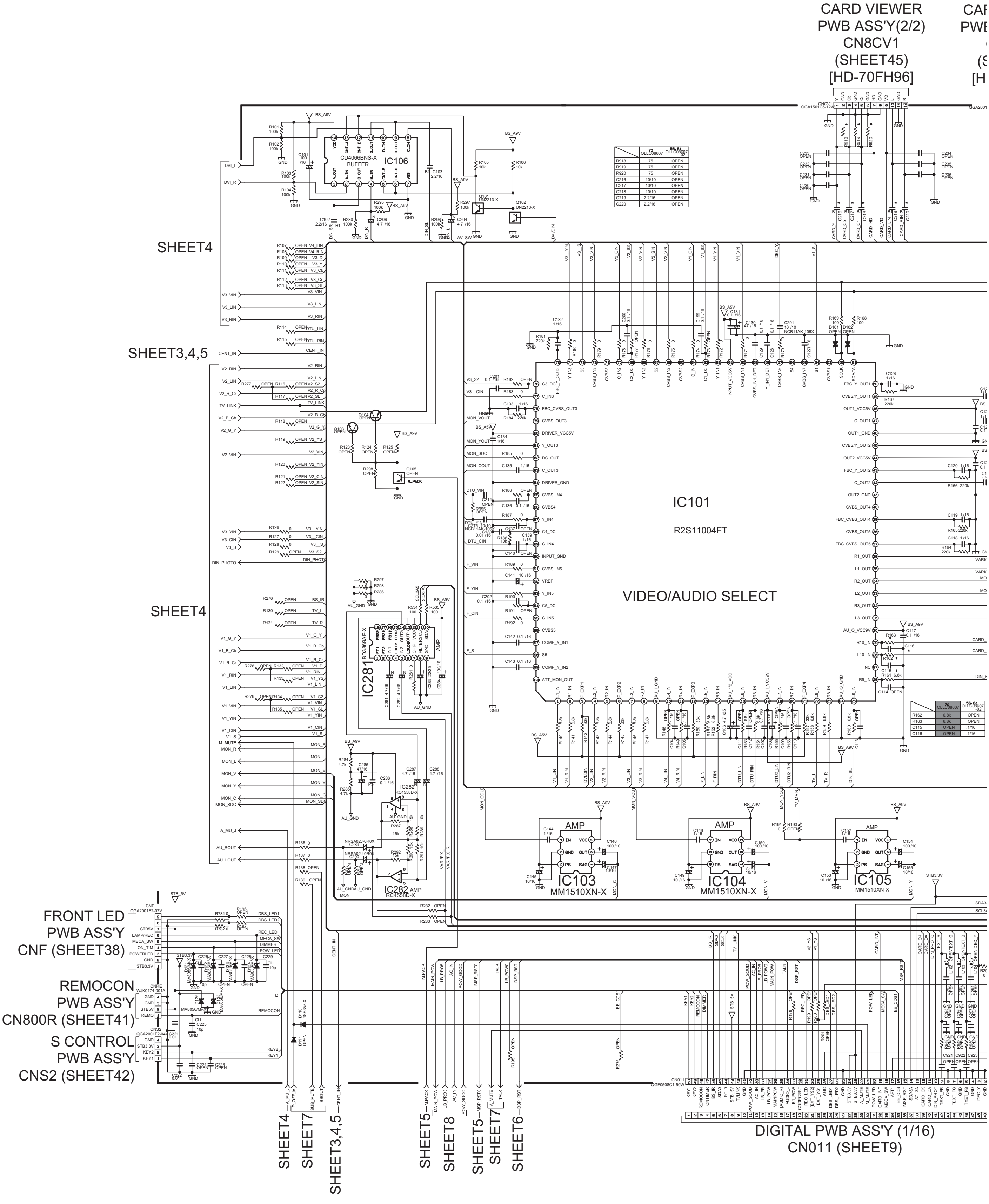
c30187001_0930_1/2_0.0


C082
0.1 /16
C081
0.1 /16
C080
0.1 /16
9V
Q061
OPEN
R072
0
TV_R
C092
2.2/16
B1
R073
OPEN
R076
0
GND
9V
Q062
OPEN
R074
0
TV_L
C093
2.2/16
B1
R075
OPEN
R077
0
GND
C083
0.1 /16
C084
0.1 /16
R071
2.2M
C085
10/10
B1
C086
0.022
C087
0.0047
C088
0.1 /16
C089
0.1 /25
C090
0.0047
C091
0.1 /16
C061
0.1 /25
36
35
34
AUX2-L
AUX2-R
AUX1-L
37 AUX3-R
38 AUX3-L
39 MOUT-R
40 MOUT-L
41 AGCTC
42 SURRTC
43 TRE-R
44 VOLIN-R
45 TOUT-R
46 BASS-R
47 TRE-L
VOLIN-L
48
1
2
3
TOUT-L
BASS-L
B
SHEET1
TUNER PWB ASS'Y (2/2)
SRA0R001A-M2
SDA3A5
SCL3A5
Audio_out


R070
3.9k
R069
3k
C079
0.1 /16
C077
10/10
C076
4.7/10
B1
C075
3.3/10
R068
3.3k
C073
.0027
C074
.047
C078
1/16
NCB31CK-105X
34 AUX1-L
33 AUX1-R
32 VCAWGT
31 VCATC
30 VCAIN
29 VEOUT
28 VETC
27 VEWGT
26 VE
25 SAPIN
24 SAPOUT
C072
4.7/10
C071
4.7/10
23 NOISETC
22 STIN
21 SUBOUT
20 NC
19 VCC
18 SAPTC
17 GND
16 NC
15 IREF
14 VGR
13 COMPIN
C070
4.7/10
9V
C069
47 /16
C094
0.1/16
C068
4.7/10
R067
68k
C067
10/10
C066
4.7/10
R066
1k
R065
12K
SW
MATRIX
DBX
SUR
SW
MTSC DECODE/
AUDIO CONTROL
BASS
ST
TRE
SAP
VOL
IC061
CXA2205Q-X
MTS/VOL/TONE
3 LSOUT-R
4 LSOUT-L
5 SDA
6 SCL
7 DGND
8 MAININ
9 MAINOUT
10 PCINT1
11 PCINT2
12 PINT
R061
220
R062
220
C062
4.7/10
R063
1M
C063
.0056
R064
100k
C065
1/16
NCB31CK-105X
C064
.012
GND
SDA3A5
SCL3A5
Audio_out

c30187002_0930_2/2_0.0

ANALOG PWB CIRCUIT DIAGRAM (1/6) SHEET 3



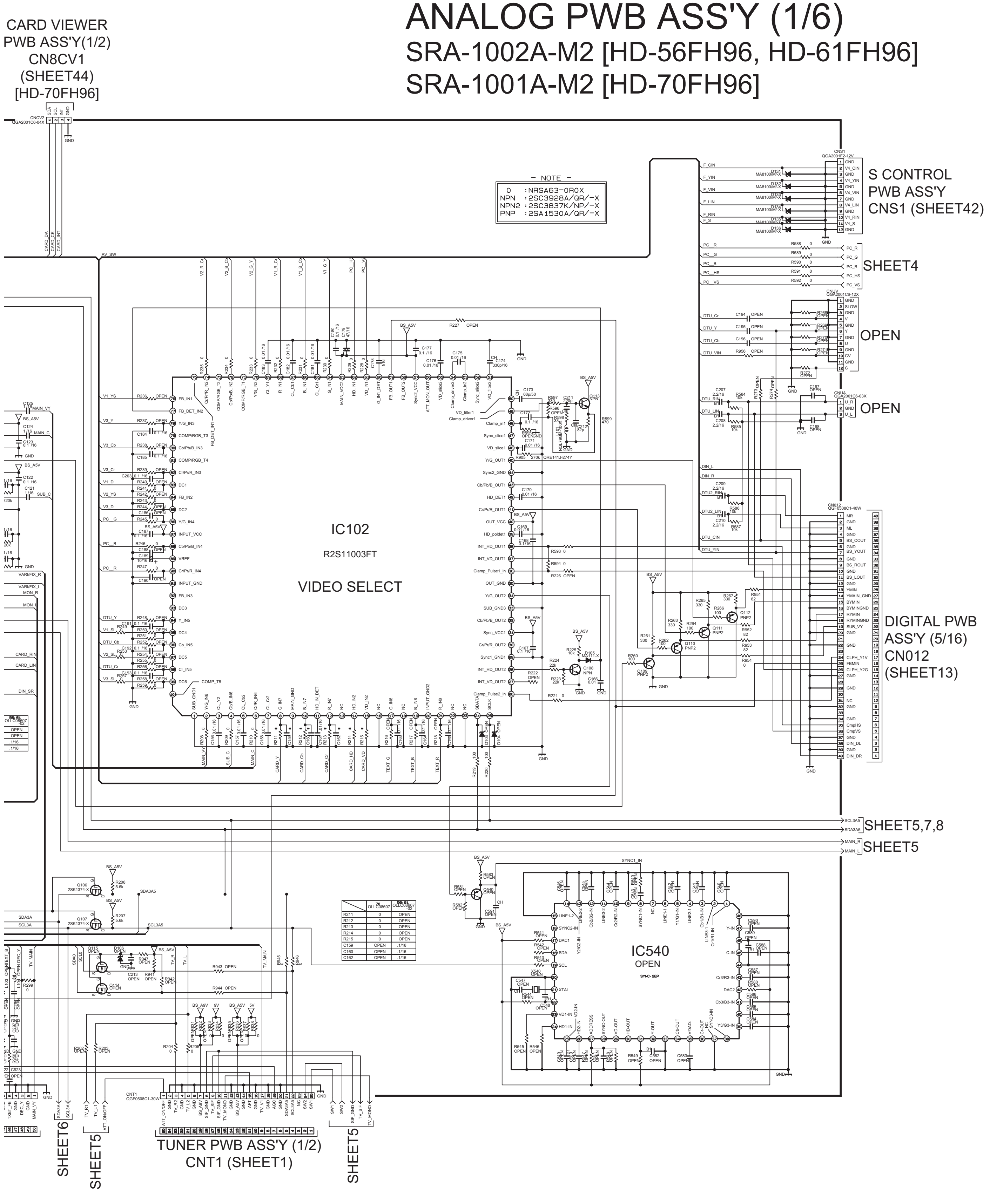
CARD VIEWER
PWB ASS'Y(2/2)
CN8CV1
(SHEET45)
[HD-70FH96]
SHEET4
SHEET3,4,5
SHEET4
FRONT LED
PWB ASS'Y
CNF (SHEET38)
REMOCON
PWB ASS'Y
CN800R (SHEET41)
S CONTROL
PWB ASS'Y
CNS2 (SHEET42)
IC106
CD4066BNS-X
BUFFER
IC101
R2S11004FT
VIDEO/AUDIO SELECT
IC281
BD3869AF-X
IC282
RC4558D-X
IC282 AMP
RC4558D-X
IC103
MM1510XN-X
IC104
MM1510XN-X
IC105
MM1510XN-X
AMP
AMP
AMP
DVI_L
DVI_R
CNF
QGA2001F2-07V
CNRE
WJK0174-001A
CNS2
QGA2001F2-04V
CN011
QGF0508C1-50W
SHEET4
SHEET7
SHEET3,4,5
SHEET5
SHEET8
SHEET5
SHEET7
SHEET6
DIGITAL PWB ASS'Y (1/16)
CN011 (SHEET9)

	70 OLLC08607	56, 61 OLLC08607 -02
R918	75	OPEN
R919	75	OPEN
R920	75	OPEN
C216	10/10	OPEN
C217	10/10	OPEN
C218	10/10	OPEN
C219	2.2/16	OPEN
C220	2.2/16	OPEN

	70 OLLC08607	56, 61 OLLC08607 -02
R162	6.8k	OPEN
R163	6.8k	OPEN
C115	OPEN	.1/16
C116	OPEN	.1/16

ANALOG PWB ASS'Y (1/6)

SRA-1002A-M2 [HD-56FH96, HD-61FH96]
SRA-1001A-M2 [HD-70FH96]



CARD VIEWER
PWB ASS'Y(1/2)
CN8CV1
(SHEET44)
[HD-70FH96]
CNCV2
S CONTROL
PWB ASS'Y
CNS1 (SHEET42)
SHEET4
OPEN
OPEN
DIGITAL PWB
ASS'Y (5/16)
CN012
(SHEET13)
SHEET5,7,8
SHEET5
IC102
R2S11003FT
VIDEO SELECT
IC540
OPEN
SYNC- SEP
TUNER PWB ASS'Y (1/2)
CNT1 (SHEET1)
SHEET6
SHEET5
SHEET5

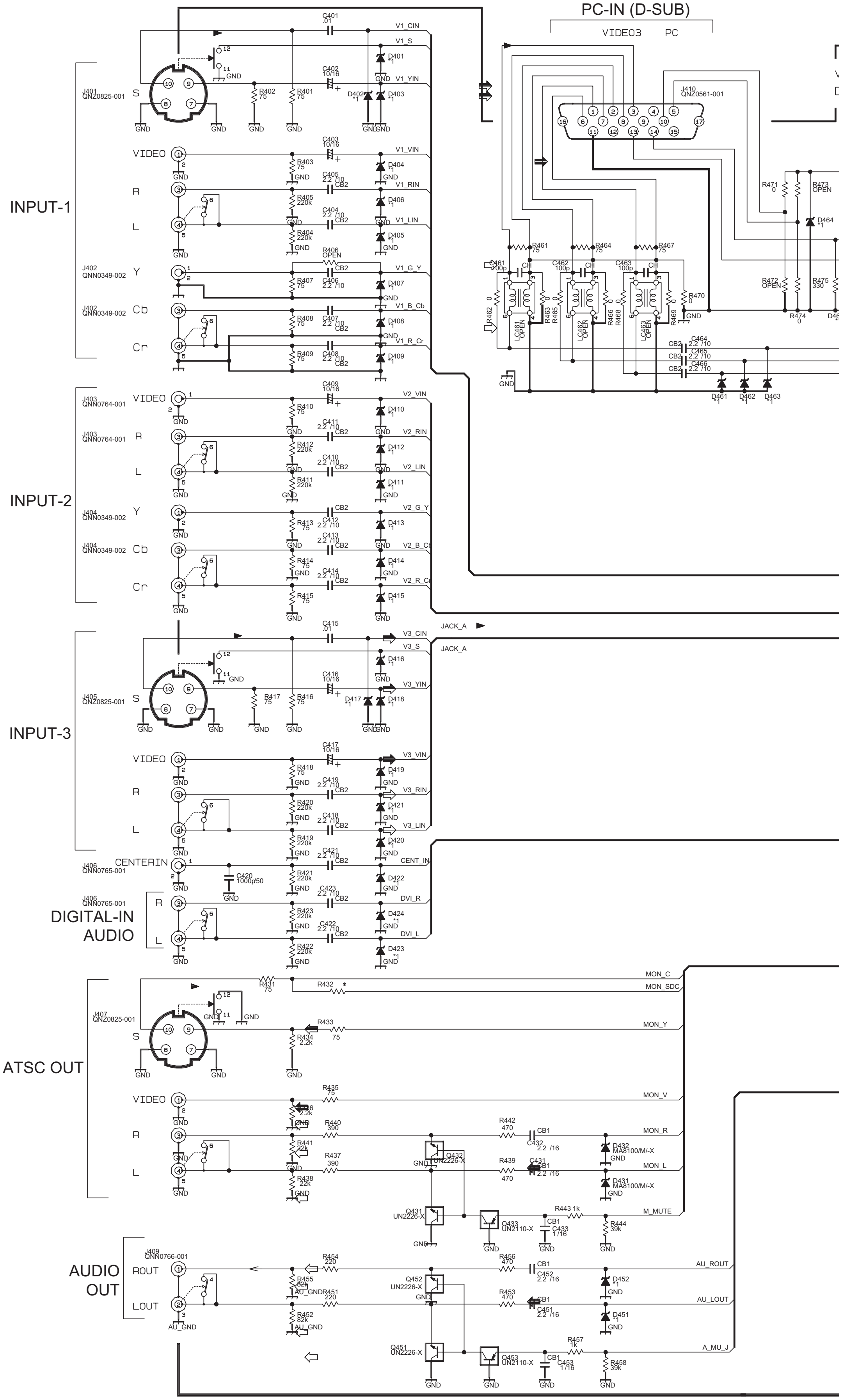
- NOTE -

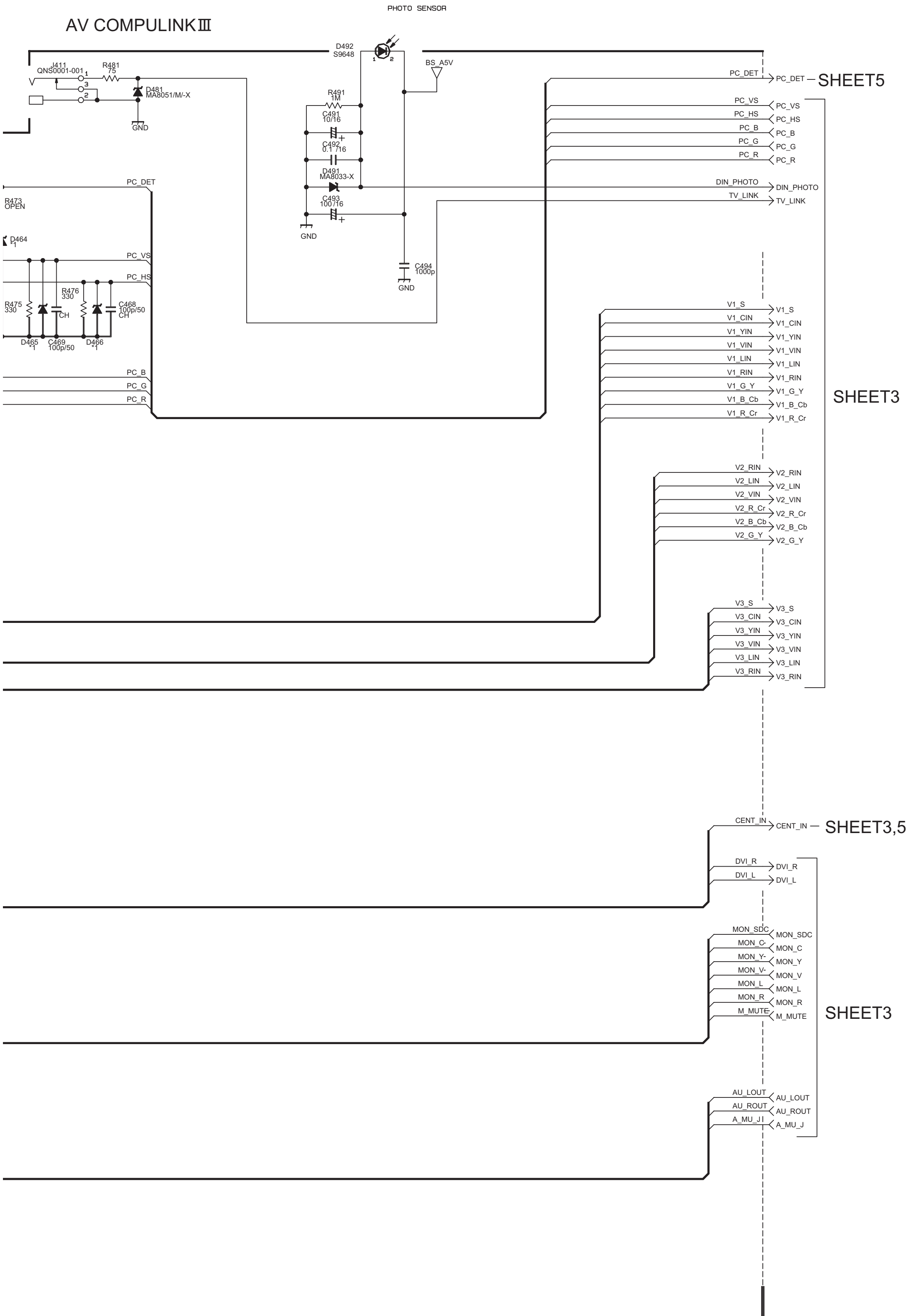
0	:NRSA63-0R0X
NPN	:2SC3928A/QR/-X
NPN2	:2SC3837K/NP/-X
PNP	:2SA1530A/QR/-X

	70 OLLC08607	56, 61 OLLC08607-02
R211	0	OPEN
R212	0	OPEN
R213	0	OPEN
R214	0	OPEN
R215	0	OPEN
C159	OPEN	.1/16
C160	OPEN	.1/16
C162	OPEN	.1/16

c10432001_0930_1/6_0.0

ANALOG PWB CIRCUIT DIAGRAM (2/6) [POWER BLOCK] SHEET 4


PC-IN (D-SUB)
VIDEO3
PC
J410
QNZ0561-001
INPUT-1
J401
QNZ0825-001
S
VIDEO
R
L
J402
QNN0349-002
Y
Cb
Cr
INPUT-2
J403
QNN0764-001
J404
QNN0349-002
INPUT-3
J405
QNZ0825-001
CENTERIN
J406
QNN0765-001
DIGITAL-IN
AUDIO
ATSC OUT
J407
QNZ0825-001
AUDIO
OUT
J409
QNN0766-001
ROUT
LOUT
AU_GND
GND
V1_CIN
V1_S
V1_YIN
V1_VIN
V1_RIN
V1_LIN
V1_G_Y
V1_B_Cb
V1_R_Cr
V2_VIN
V2_RIN
V2_LIN
V2_G_Y
V2_B_Cb
V2_R_Cr
JACK_A
V3_CIN
V3_S
V3_YIN
V3_VIN
V3_RIN
V3_LIN
CENT_IN
DVI_R
DVI_L
MON_C
MON_SDC
MON_Y
MON_V
MON_R
MON_L
M_MUTE
AU_ROUT
AU_LOUT
A_MU_J
Q431
UN2226-X
Q432
UN2226-X
Q433
UN2110-X
Q451
UN2226-X
Q452
UN2226-X
Q453
UN2110-X
D431
MA8100/M/-X
D432
MA8100/M/-X
LC461
LC462
LC463
OPEN

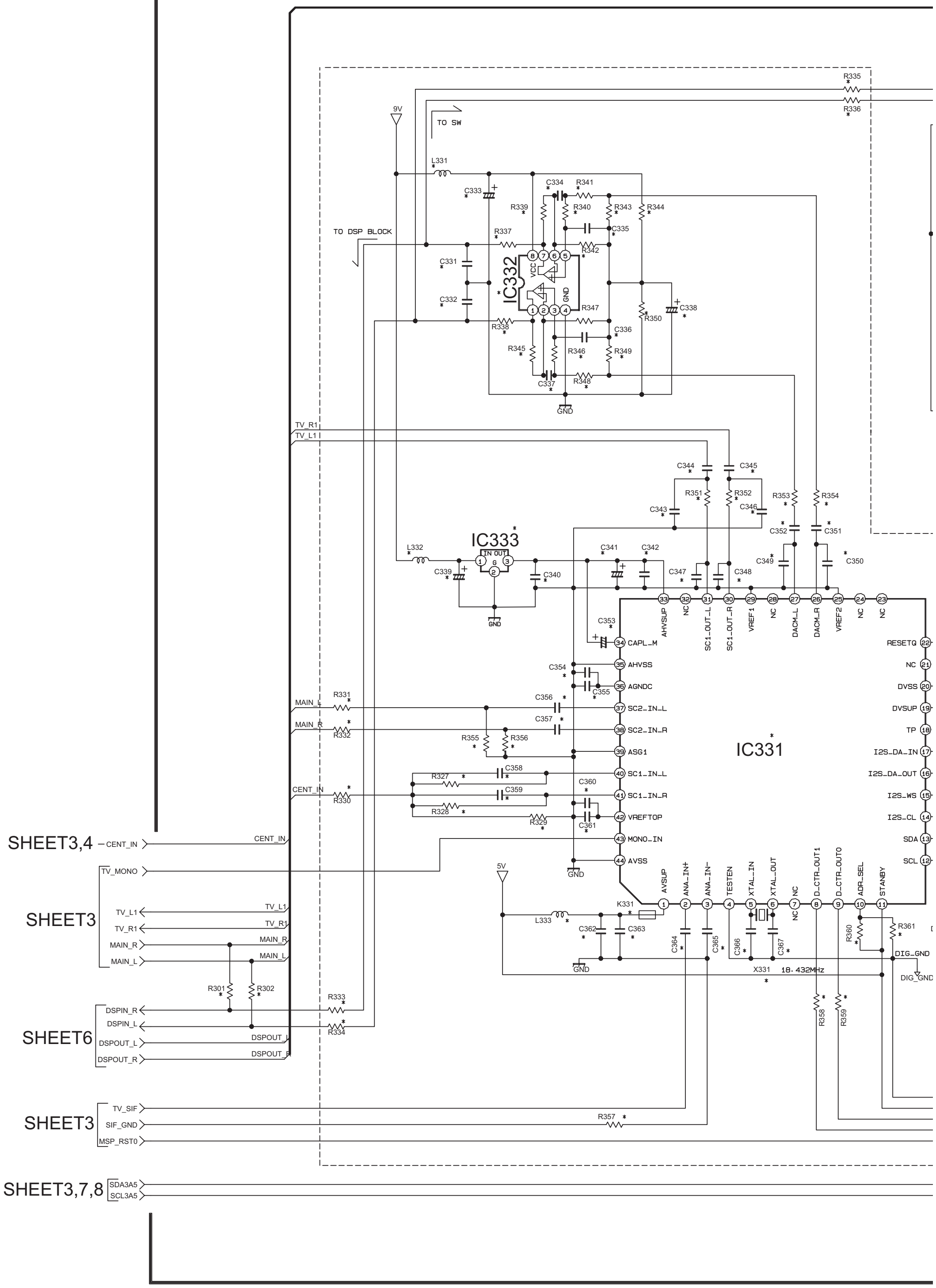

AV COMPULINKⅢ
PHOTO SENSOR
D492
S9648
BS_A5V
J411
QNS0001-001
R481
75
D481
MA8051/M/-X
GND
R491
1M
C491
10/16
C492
0.1 /16
D491
MA8033-X
C493
100/16
GND
C494
1000p
GND
PC_DET
R473
OPEN
D464
*1
PC_VS
PC_HS
R475
330
R476
330
CH
C468
100p/50
CH
D465
*1
C469
100p/50
D466
*1
PC_B
PC_G
PC_R
PC_DET
PC_VS
PC_HS
PC_B
PC_G
PC_R
DIN_PHOTO
TV_LINK
SHEET5
V1_S
V1_CIN
V1_YIN
V1_VIN
V1_LIN
V1_RIN
V1_G_Y
V1_B_Cb
V1_R_Cr
V2_RIN
V2_LIN
V2_VIN
V2_R_Cr
V2_B_Cb
V2_G_Y
V3_S
V3_CIN
V3_YIN
V3_VIN
V3_LIN
V3_RIN
SHEET3
CENT_IN
SHEET3,5
DVI_R
DVI_L
MON_SDC
MON_C
MON_Y
MON_V
MON_L
MON_R
M_MUTE
SHEET3
AU_LOUT
AU_ROUT
A_MU_J

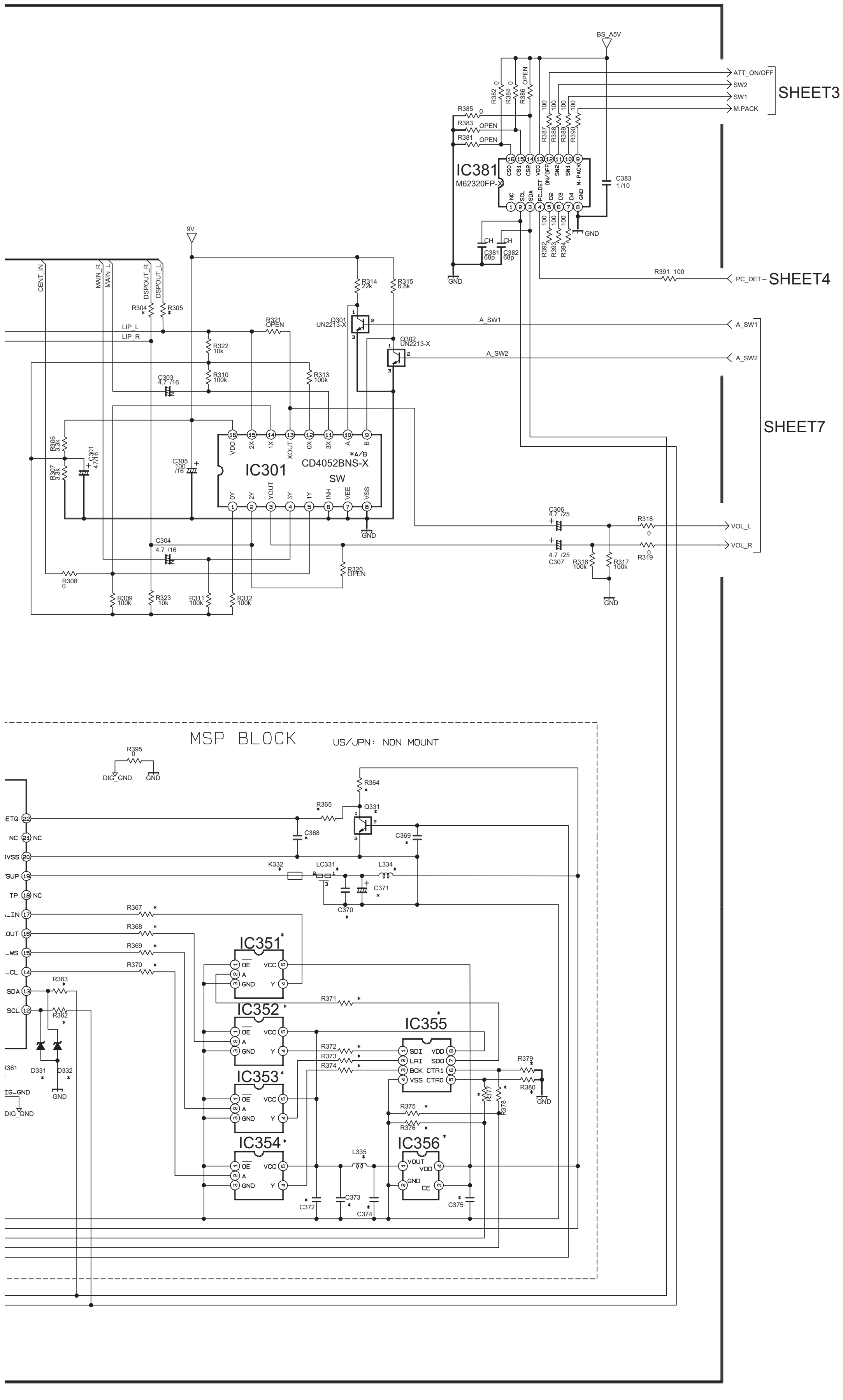
ANALOG PWB ASS'Y (2/6)

SRA-1002A-M2 [HD-56FH96, HD-61FH96]
SRA-1001A-M2 [HD-70FH96]

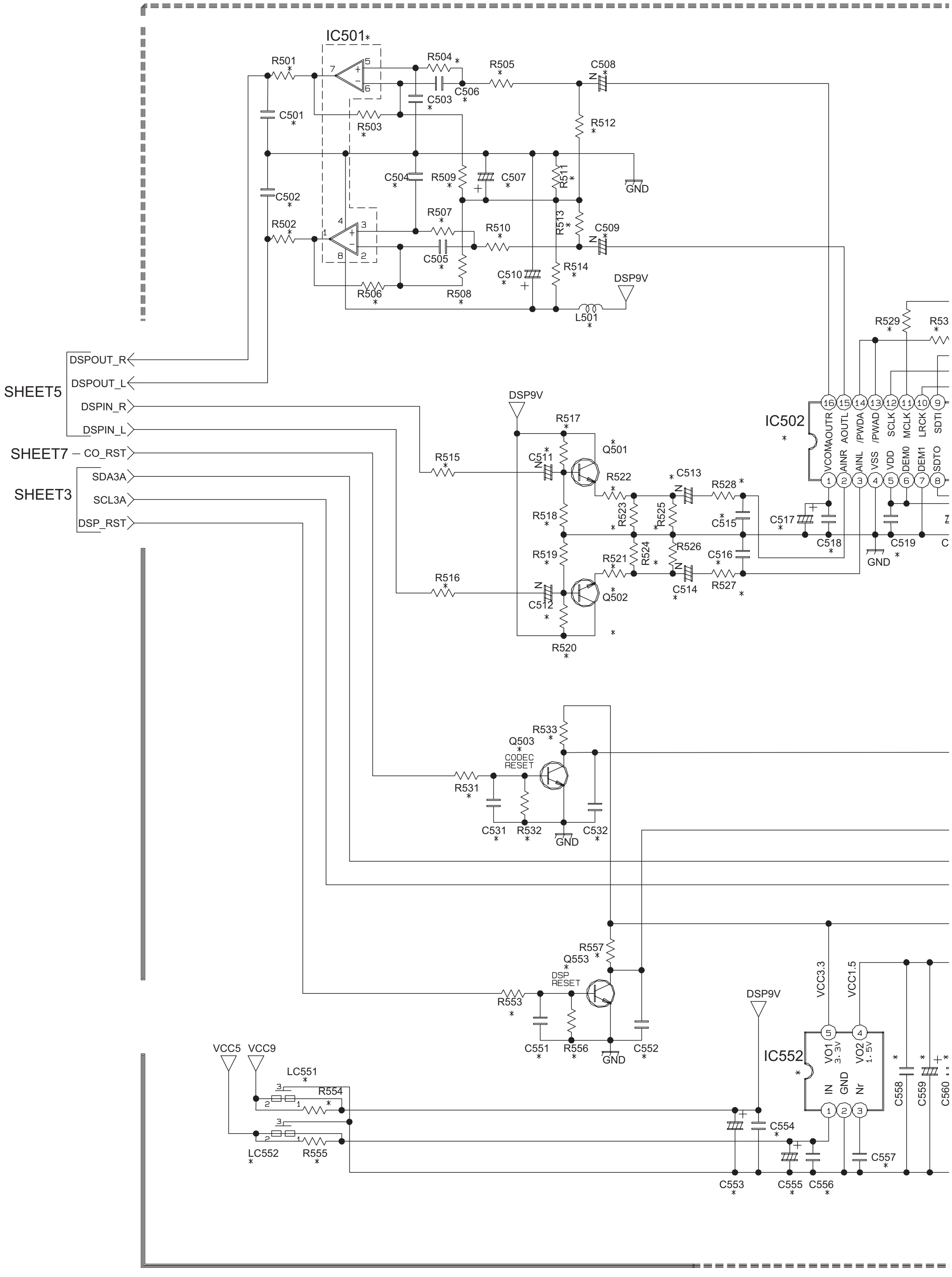
ANALOG PWB ASS'Y (3/6)

SRA-1002A-M2 [HD-56FH96, HD-61FH96]
SRA-1001A-M2 [HD-70FH96]


R335
R336
9V
TO SW
L331
C333
C334
R341
R339
R340
R343
R344
TO DSP BLOCK
R337
C335
R342
C331
IC332
VCC
GND
C332
R347
C338
R338
C336
R350
R345
R346
R349
C337
R348
GND
TV_R1
TV_L1
C344
C345
R351
R352
R353
R354
C343
C346
C352
C351
IC333
IN OUT
G
L332
C341
C342
C350
C349
C339
C340
C347
C348
GND
C353
AHVSUP
NC
SC1_OUT_L
SC1_OUT_R
VREF1
NC
DACM_L
DACM_R
VREF2
NC
NC
CAPL_M
AHVSS
AGNDC
SC2_IN_L
SC2_IN_R
ASG1
SC1_IN_L
SC1_IN_R
VREFTOP
MONO_IN
AVSS
C354
C355
C356
C357
MAIN_L
MAIN_R
R331
R332
R355
R356
C358
R327
C359
CENT_IN
R330
C360
R328
R329
C361
RESETQ
NC
DVSS
DVSUP
TP
I2S_DA_IN
I2S_DA_OUT
I2S_WS
I2S_CL
SDA
SCL
IC331
GND
5V
AVSUP
ANA_IN+
ANA_IN-
TESTEN
XTAL_IN
XTAL_OUT
NC
D_CTR_OUT1
D_CTR_OUT0
ADR_SEL
STANBY
K331
L333
C362
C363
C364
C365
C366
C367
R360
R361
DIG_GND
GND
X331
18.432MHz
DIG_GND
R358
R359
SHEET3,4
CENT_IN
TV_MONO
SHEET3
TV_L1
TV_R1
MAIN_R
MAIN_L
R301
R302
R333
R334
SHEET6
DSPIN_R
DSPIN_L
DSPOUT_L
DSPOUT_R
SHEET3
TV_SIF
SIF_GND
MSP_RST0
R357
SHEET3,7,8
SDA3A5
SCL3A5


BS_A5V
ATT_ON/OFF
SW2
SW1
M.PACK
SHEET3
R382 0
R384 0
R386 OPEN
R385 0
R383 OPEN
R381 OPEN
R387 100
R388 100
R389 100
R390 100
IC381
M62320FP-X
CS0
CS1
CS2
VCC
ON/OFF
SW2
SW1
M.PACK
NC
SCL
SDA
PC_DET
D2
D3
D4
GND
C383 1/10
R392 100
R393 100
R394 100
CH C381 68p
CH C382 68p
GND
R391 100
PC_DET
SHEET4
9V
CENT_IN
MAIN_R
MAIN_L
DSPOUT_R
DSPOUT_L
R304
R305
LIP_L
LIP_R
R321 OPEN
R322 10k
R310 100k
R313 100k
C303 4.7 /16
R314 22k
R315 6.8k
Q301 UN2213-X
Q302 UN2213-X
A_SW1
A_SW2
SHEET7
R306 3.3k
R307 3.3k
C301 47/16
C305 100 /16
IC301
CD4052BNS-X
SW
*A/B
VDD
2X
1X
XOUT
0X
3X
A
B
0Y
2Y
YOUT
3Y
1Y
INH
VEE
VSS
GND
C306 4.7 /25
C307 4.7 /25
R318 0
R319 0
R316 100k
R317 100k
VOL_L
VOL_R
C304 4.7 /16
R320 OPEN
R308 0
R309 100k
R323 10k
R311 100k
R312 100k
MSP BLOCK
US/JPN: NON MOUNT
R395 0
DIG_GND
GND
R364
R365
Q331
C368
C369
ETQ 22
NC 21 NC
DVSS 20
VSUP 19
TP 18 NC
_IN 17
OUT 16
_WS 15
_CL 14
SDA 13
SCL 12
K332
LC331
L334
C370
C371
R367
R368
R369
R370
R363
R362
R361
D331
D332
IC351
IC352
IC353
IC354
OE
A
GND
VCC
Y
R371
IC355
SDI
LRI
BCK
VSS
VDD
SDO
CTR1
CTR0
R372
R373
R374
R379
R380
R377
R378
R375
R376
IC356
VOUT
VDD
GND
CE
L335
C372
C373
C374
C375
DIG_GND

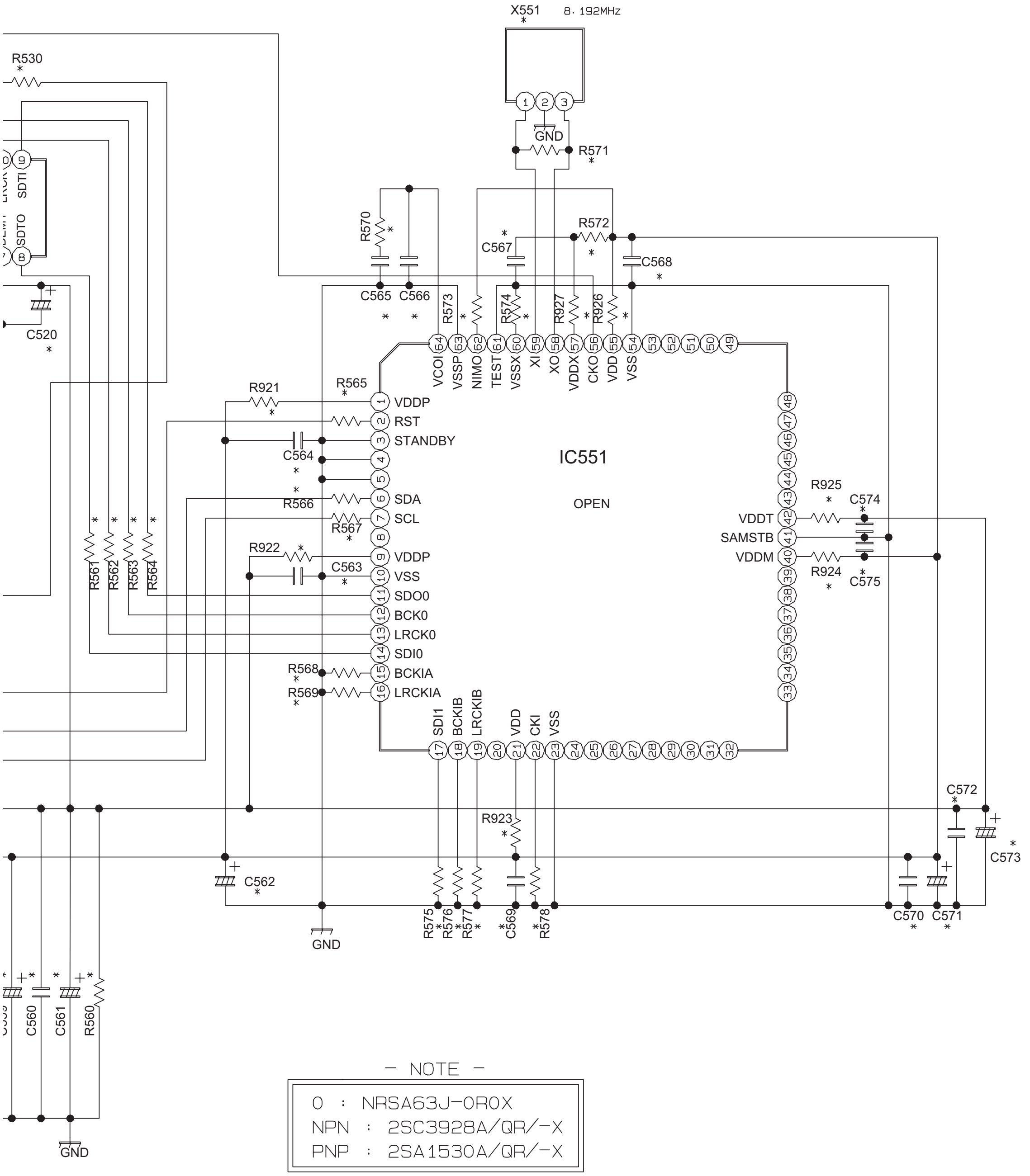
ANALOG PWB CIRCUIT DIAGRAM (4/6) [W_DSP BLOCK] SHEET 6



IC501
R501
R502
R503
R504
R505
R506
R507
R508
R509
R510
R511
R512
R513
R514
C501
C502
C503
C504
C505
C506
C507
C508
C509
C510
L501
GND
DSP9V
DSPOUT_R
DSPOUT_L
DSPIN_R
DSPIN_L
SHEET5
SHEET7
CO_RST
SHEET3
SDA3A
SCL3A
DSP_RST
R515
R516
R517
R518
R519
R520
R521
R522
R523
R524
R525
R526
R527
R528
C511
C512
C513
C514
C515
C516
C517
C518
C519
Q501
Q502
IC502
VCOM
AOUTR
AOUTL
AINR
AINL
/PWDA
/PWAD
VSS
VDD
SCLK
MCLK
DEM0
DEM1
LRCK
SDTI
SDTO
R529
R53
Q503
CODEC RESET
R531
R532
R533
C531
C532
Q553
DSP RESET
R553
R556
R557
C551
C552
VCC5
VCC9
LC551
LC552
R554
R555
C553
C554
C555
C556
C557
C558
C559
C560
IC552
VO1 3.3V
VO2 1.5V
IN
Nr
VCC3.3
VCC1.5

ANALOG PWB ASS'Y (4/6)

SRA-1002A-M2 [HD-56FH96, HD-61FH96]
SRA-1001A-M2 [HD-70FH96]

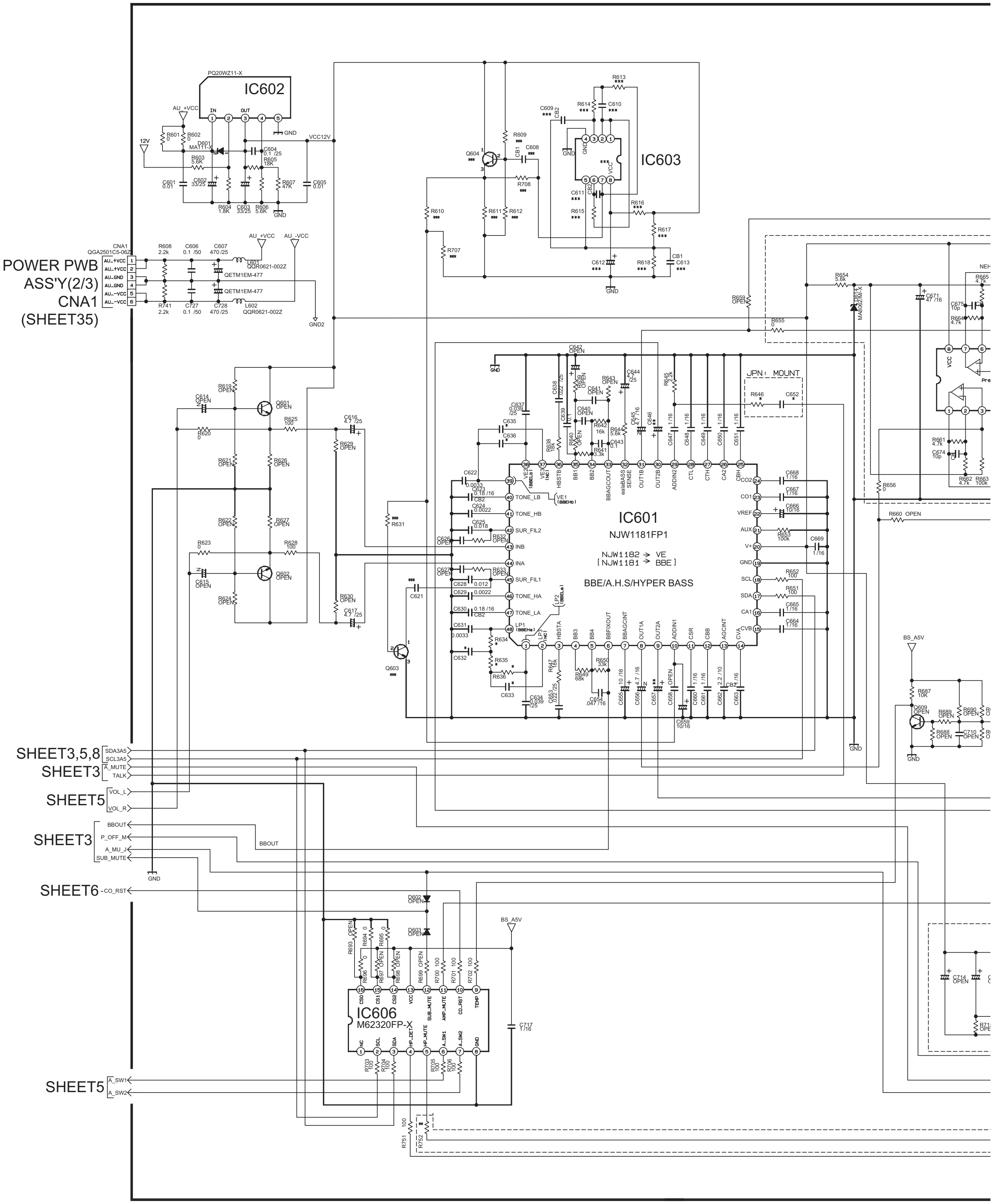

X551
8.192MHz
1
2
3
GND
R571
R530
R570
R572
C567
C568
C565
C566
R573
R574
R927
R926
SDTI
SDTO
9
8
C520
VCOI
VSSP
NIMO
TEST
VSSX
XI
XO
VDDX
CKO
VDD
VSS
64
63
62
61
60
59
58
57
56
55
54
53
52
51
50
49
R921
R565
1 VDDP
2 RST
3 STANDBY
4
5
6 SDA
7 SCL
8
9 VDDP
10 VSS
11 SDO0
12 BCK0
13 LRCK0
14 SDI0
15 BCKIA
16 LRCKIA
C564
R566
R567
R922
C563
R568
R569
R561
R562
R563
R564
IC551
OPEN
48
47
46
45
44
43
42 VDDT
41 SAMSTB
40 VDDM
39
38
37
36
35
34
33
R925
C574
R924
C575
17 SDI1
18 BCKIB
19 LRCKIB
20
21 VDD
22 CKI
23 VSS
24
25
26
27
28
29
30
31
32
R923
C572
C573
C562
C570
C571
R575
R576
R577
C569
R578
GND
C560
C561
R560
GND

- NOTE -

O : NRSA63J-0R0X
NPN : 2SC3928A/QR/-X
PNP : 2SA1530A/QR/-X

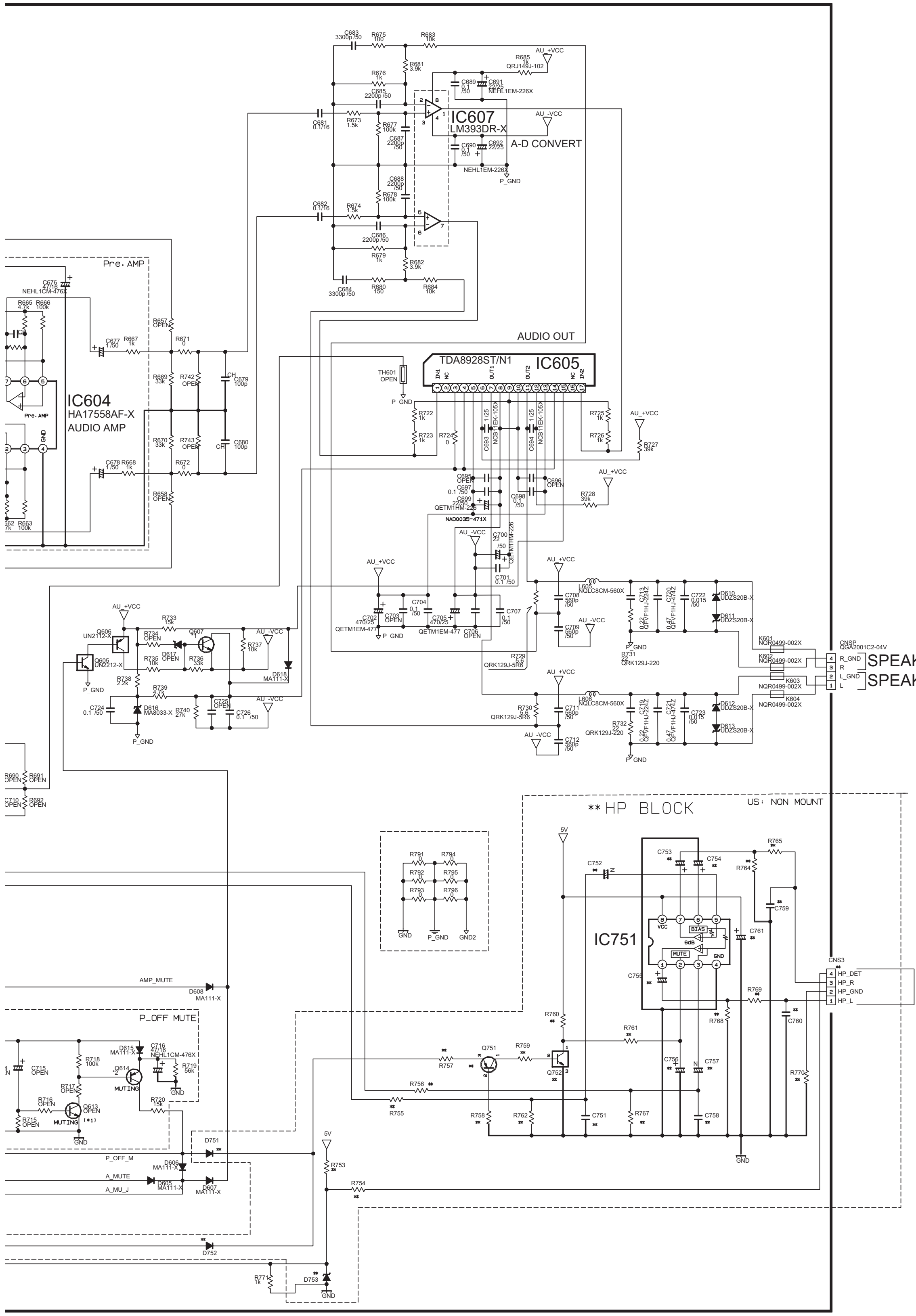
c10432004_0930_4/6_0.0

ANALOG PWB CIRCUIT DIAGRAM (5/6) [AUDIO BLOCK] SHEET 7


IC602
PQ20WZ11-X
IC603
IC601
NJW1181FP1
NJW1182 → VE
[NJW1181 → BBE]
BBE/A.H.S/HYPER BASS
IC606
M62320FP-X
JPN : MOUNT
POWER PWB
ASS'Y(2/3)
CNA1
(SHEET35)
CNA1
QGA2501C5-06Z
AU_+VCC
AU_-VCC
AU_GND
12V
VCC12V
GND
GND2
BS_A5V
Q601
Q602
Q603
Q604
Q609
D601
MA111-X
D602
D603
L601
L602
QQR0621-002Z
QETM1EM-477
SHEET3,5,8
SDA3A5
SCL3A5
SHEET3
A_MUTE
TALK
SHEET5
VOL_L
VOL_R
BBOUT
SHEET3
P_OFF_M
A_MU_J
SUB_MUTE
SHEET6
CO_RST
SHEET5
A_SW1
A_SW2
TONE_LB
TONE_HB
SUR_FIL2
INB
INA
SUR_FIL1
TONE_HA
TONE_LA
HBSTB
HBSTA
BBAGCOUT
BBFIXOUT
OUT1A
OUT2A
OUT1B
OUT2B
ADDIN1
ADDIN2
CSR
CBB
AGCINT
CTL
CTH
CVA
CVB
CO1
CO2
VREF
AUX
V+
SCL
SDA
CA1
CA2
R751
R752

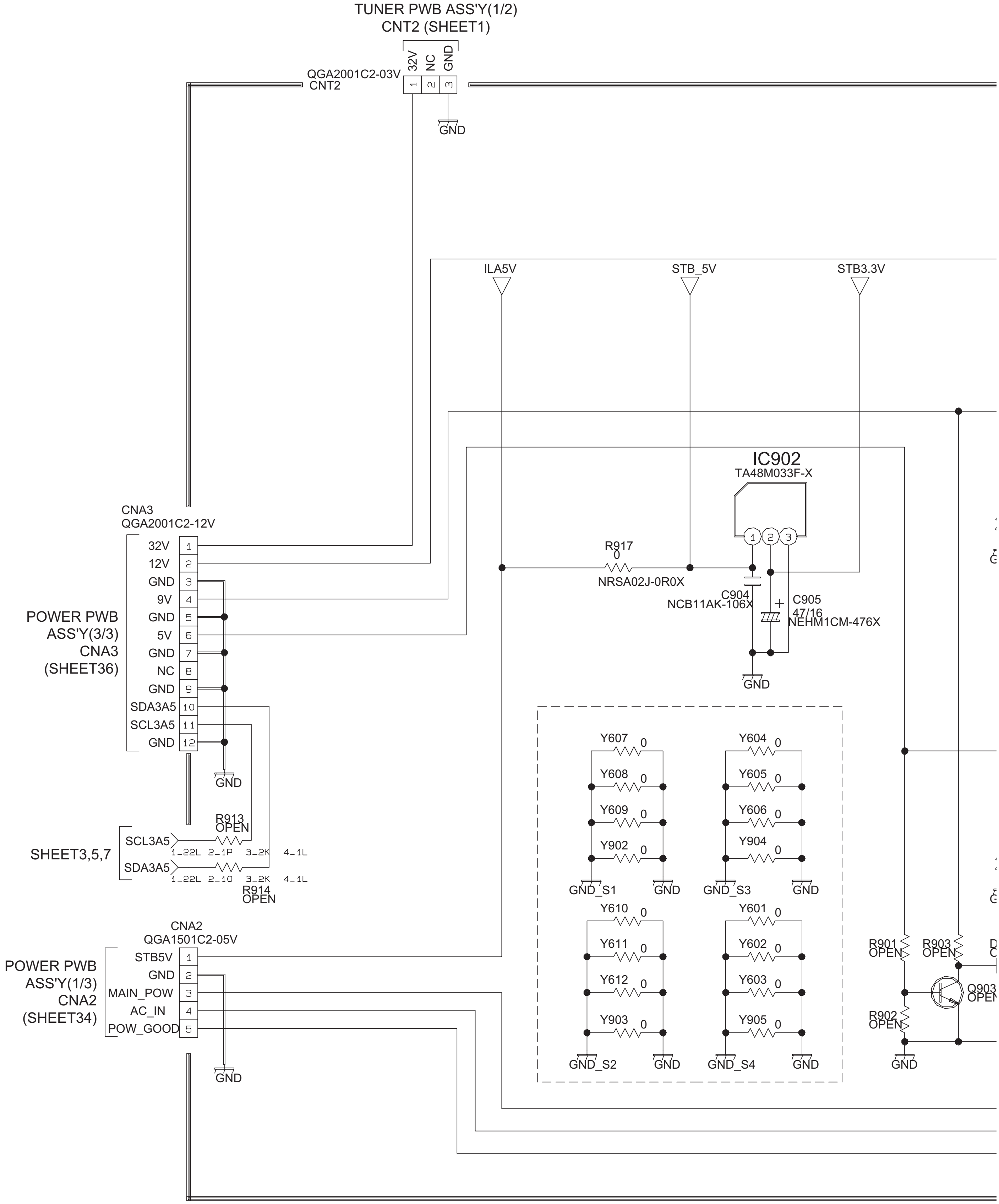
ANALOG PWB ASS'Y (5/6)

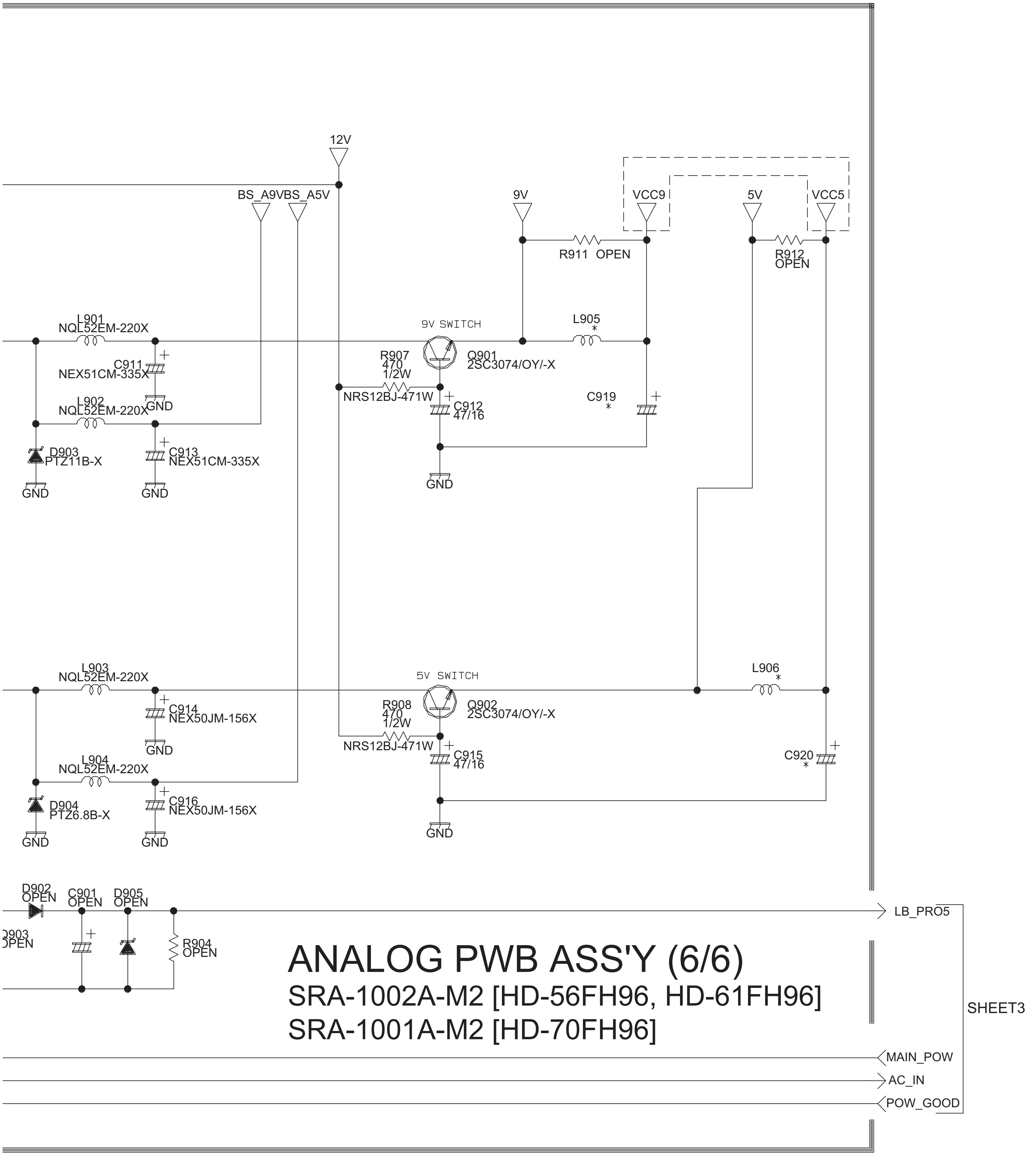
SRA-1002A-M2 [HD-56FH96, HD-61FH96]
SRA-1001A-M2 [HD-70FH96]



IC607
LM393DR-X
A-D CONVERT
Pre. AMP
IC604
HA17558AF-X
AUDIO AMP
AUDIO OUT
TDA8928ST/N1
IC605
TH601
OPEN
AU_+VCC
AU_-VCC
P_GND
NAD0035-471X
SPEAKER(R)
SPEAKER(L)
CNSP
QGA2001C2-04V
R_GND
R
L_GND
L
K601
K602
K603
K604
NQR0499-002X
L605
L606
NQLC8CM-560X
Q606
UN2112-X
Q605
UN2212-X
Q607
D616
MA8033-X
D617
D618
MA111-X
** HP BLOCK
US: NON MOUNT
IC751
BIAS
6dB
MUTE
GND
VCC
5V
CNS3
HP_DET
HP_R
HP_GND
HP_L
OPEN
Q751
Q752
AMP_MUTE
D608
MA111-X
P_OFF MUTE
Q614
MUTING
Q613
(*1)
P_OFF_M
A_MUTE
A_MU_J
D605
D606
D607
D751
D752
D753
GND
P_GND
GND2

ANALOG PWB CIRCUIT DIAGRAM (6/6) [POWER BLOCK] SHEET 8


TUNER PWB ASS'Y(1/2)
CNT2 (SHEET1)
32V
NC
GND
QGA2001C2-03V
CNT2
GND
ILA5V
STB_5V
STB3.3V
IC902
TA48M033F-X
R917
0
NRSA02J-0R0X
C904
NCB11AK-106X
C905
47/16
NEHM1CM-476X
GND
CNA3
QGA2001C2-12V
32V
12V
GND
9V
GND
5V
GND
NC
GND
SDA3A5
SCL3A5
GND
POWER PWB
ASS'Y(3/3)
CNA3
(SHEET36)
GND
SHEET3,5,7
SCL3A5
SDA3A5
R913
OPEN
R914
OPEN
1_22L 2_1P 3_2K 4_1L
1_22L 2_10 3_2K 4_1L
Y607 0
Y608 0
Y609 0
Y902 0
Y604 0
Y605 0
Y606 0
Y904 0
GND_S1
GND
GND_S3
GND
Y610 0
Y611 0
Y612 0
Y903 0
Y601 0
Y602 0
Y603 0
Y905 0
GND_S2
GND
GND_S4
GND
CNA2
QGA1501C2-05V
STB5V
GND
MAIN_POW
AC_IN
POW_GOOD
POWER PWB
ASS'Y(1/3)
CNA2
(SHEET34)
GND
R901
OPEN
R903
OPEN
R902
OPEN
Q903
OPEN
GND

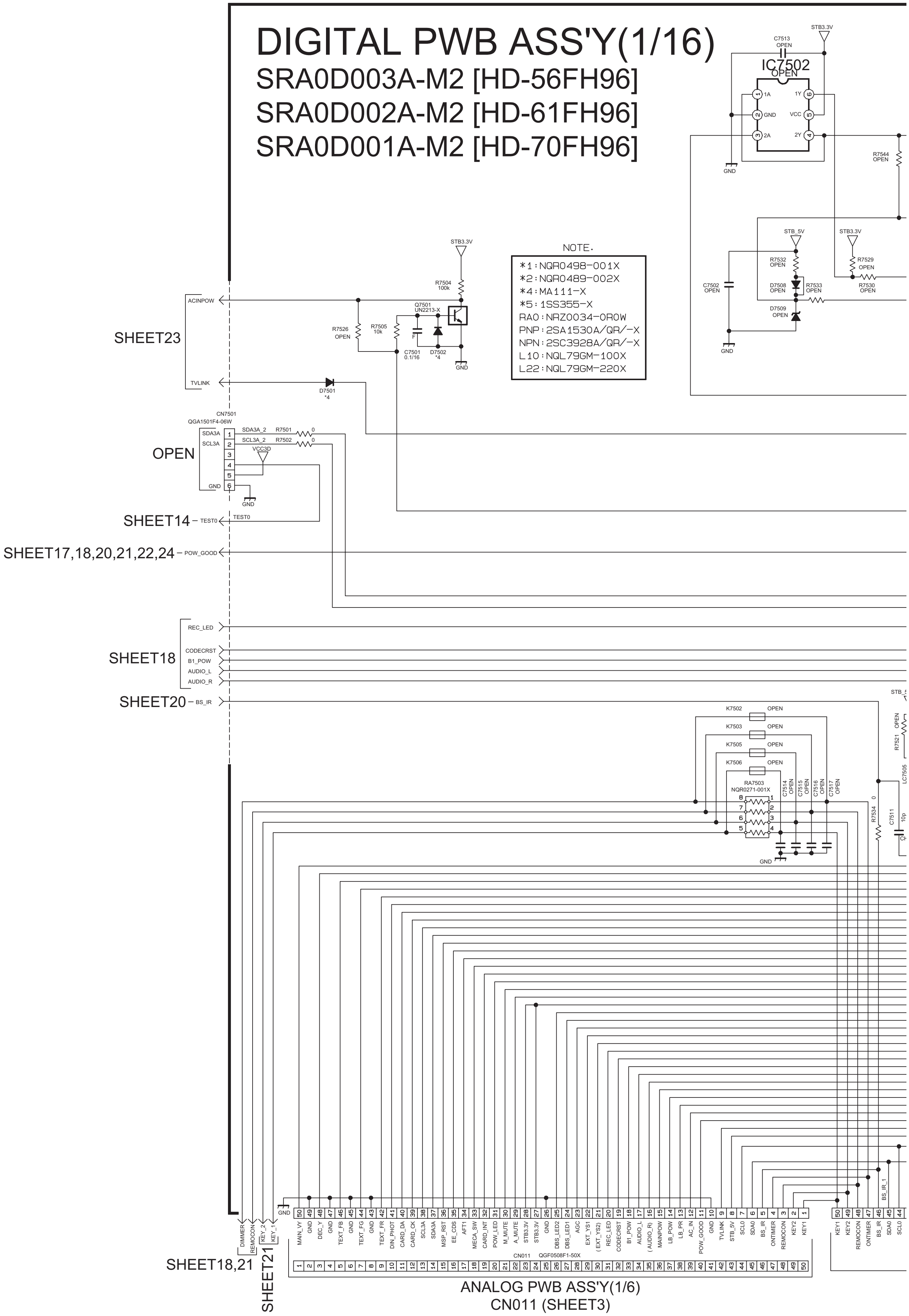

12V
BS_A9V
BS_A5V
9V
VCC9
5V
VCC5
R911 OPEN
R912
OPEN
L901
NQL52EM-220X
C911
NEX51CM-335X
GND
L902
NQL52EM-220X
D903
PTZ11B-X
GND
C913
NEX51CM-335X
GND
9V SWITCH
Q901
2SC3074/OY/-X
R907
470
1/2W
NRS12BJ-471W
C912
47/16
GND
L905
*
C919
*
L903
NQL52EM-220X
C914
NEX50JM-156X
GND
L904
NQL52EM-220X
D904
PTZ6.8B-X
GND
C916
NEX50JM-156X
GND
5V SWITCH
Q902
2SC3074/OY/-X
R908
470
1/2W
NRS12BJ-471W
C915
47/16
GND
L906
*
C920
*
D902
OPEN
C901
OPEN
D905
OPEN
OPEN
R904
OPEN
LB_PRO5
SHEET3
MAIN_POW
AC_IN
POW_GOOD

ANALOG PWB ASS'Y (6/6)

SRA-1002A-M2 [HD-56FH96, HD-61FH96]
SRA-1001A-M2 [HD-70FH96]

c10432005_0930_5/6_0.0

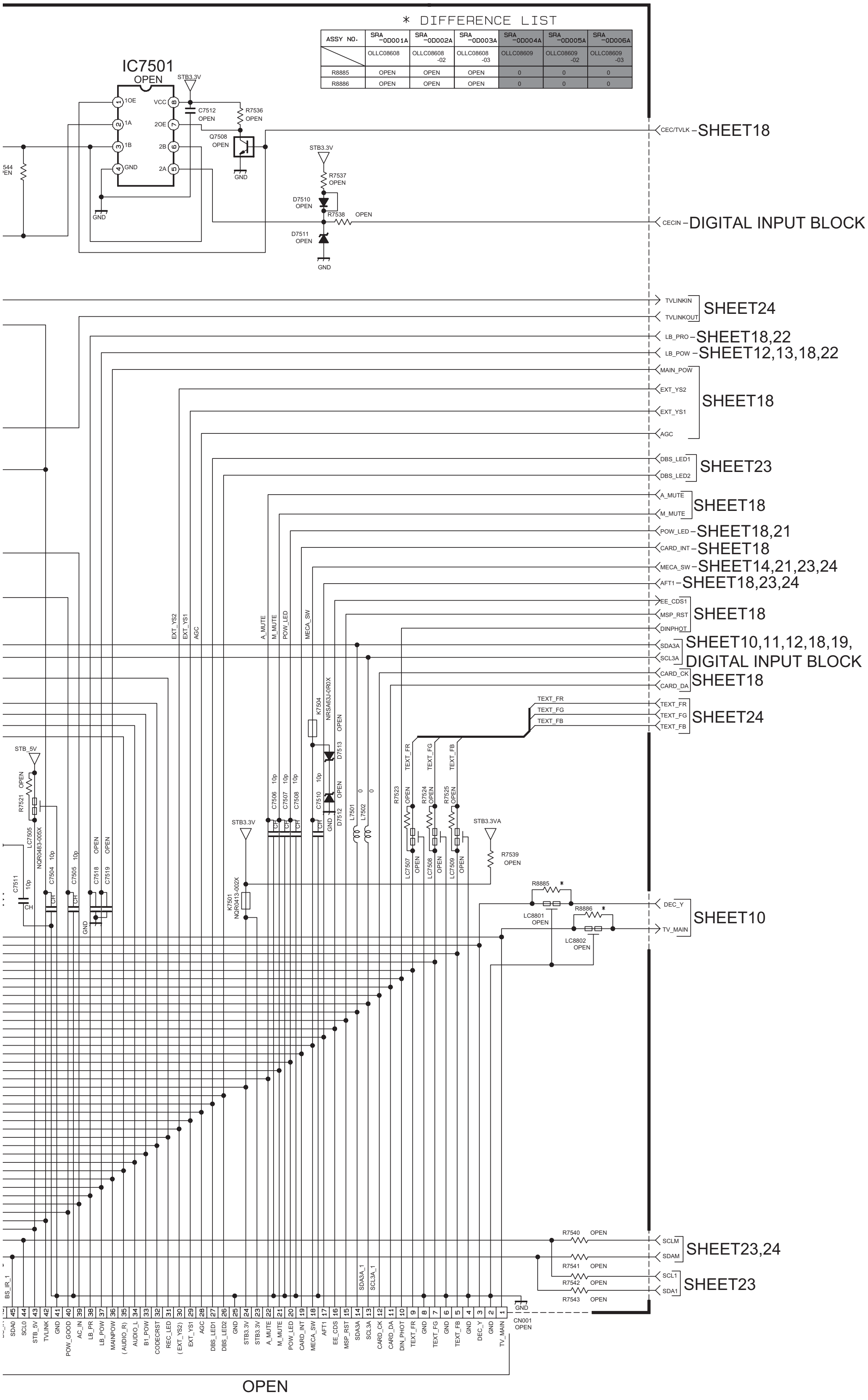
DIGITAL PWB CIRCUIT DIAGRAM (1/16) [CONNECTOR BASE BLOCK] SHEET 9



DIGITAL PWB ASS'Y(1/16)
SRA0D003A-M2 [HD-56FH96]
SRA0D002A-M2 [HD-61FH96]
SRA0D001A-M2 [HD-70FH96]
NOTE.
*1:NQR0498-001X
*2:NQR0489-002X
*4:MA111-X
*5:1SS355-X
RA0:NRZ0034-0R0W
PNP:2SA1530A/QR/-X
NPN:2SC3928A/QR/-X
L10:NQL79GM-100X
L22:NQL79GM-220X
STB3.3V
C7513 OPEN
IC7502 OPEN
1A
GND
2A
1Y
VCC
2Y
R7544 OPEN
STB_5V
R7532 OPEN
D7508 OPEN
R7533 OPEN
D7509 OPEN
R7529 OPEN
R7530 OPEN
C7502 OPEN
SHEET23
ACINPOW
TVLINK
R7504 100k
Q7501 UN2213-X
R7526 OPEN
R7505 10k
C7501 0.1/16
D7502 *4
D7501 *4
CN7501 QGA1501F4-06W
OPEN
SDA3A
SCL3A
SDA3A_2
SCL3A_2
R7501 0
R7502 0
VCC3D
SHEET14
TEST0
SHEET17,18,20,21,22,24
POW_GOOD
SHEET18
REC_LED
CODECRST
B1_POW
AUDIO_L
AUDIO_R
SHEET20
BS_IR
K7502 OPEN
K7503 OPEN
K7505 OPEN
K7506 OPEN
RA7503 NQR0271-001X
C7514 OPEN
C7515 OPEN
C7516 OPEN
C7517 OPEN
R7534 0
R7521 OPEN
LC7505
C7511 10p
BS_IR_1
SHEET18,21
DIMMER
REMOCON
KEY_2
KEY_1
SHEET21
MAIN_VY
DEC_Y
TEXT_FB
TEXT_FG
TEXT_FR
DIN_PHOT
CARD_DA
CARD_CK
SCL3A
SDA3A
MSP_RST
EE_CDS
AFT1
MECA_SW
CARD_INT
POW_LED
M_MUTE
A_MUTE
STB3.3V
DBS_LED2
DBS_LED1
AGC
EXT_YS1
(EXT_YS2)
REC_LED
CODECRST
B1_POW
AUDIO_L
(AUDIO_R)
MAINPOW
LB_POW
LB_PR
AC_IN
POW_GOOD
TVLINK
STB_5V
SCL0
SDA0
BS_IR
ONTIMER
REMOCON
KEY2
KEY1
CN011 QGF0508F1-50X
ANALOG PWB ASS'Y(1/6)
CN011 (SHEET3)

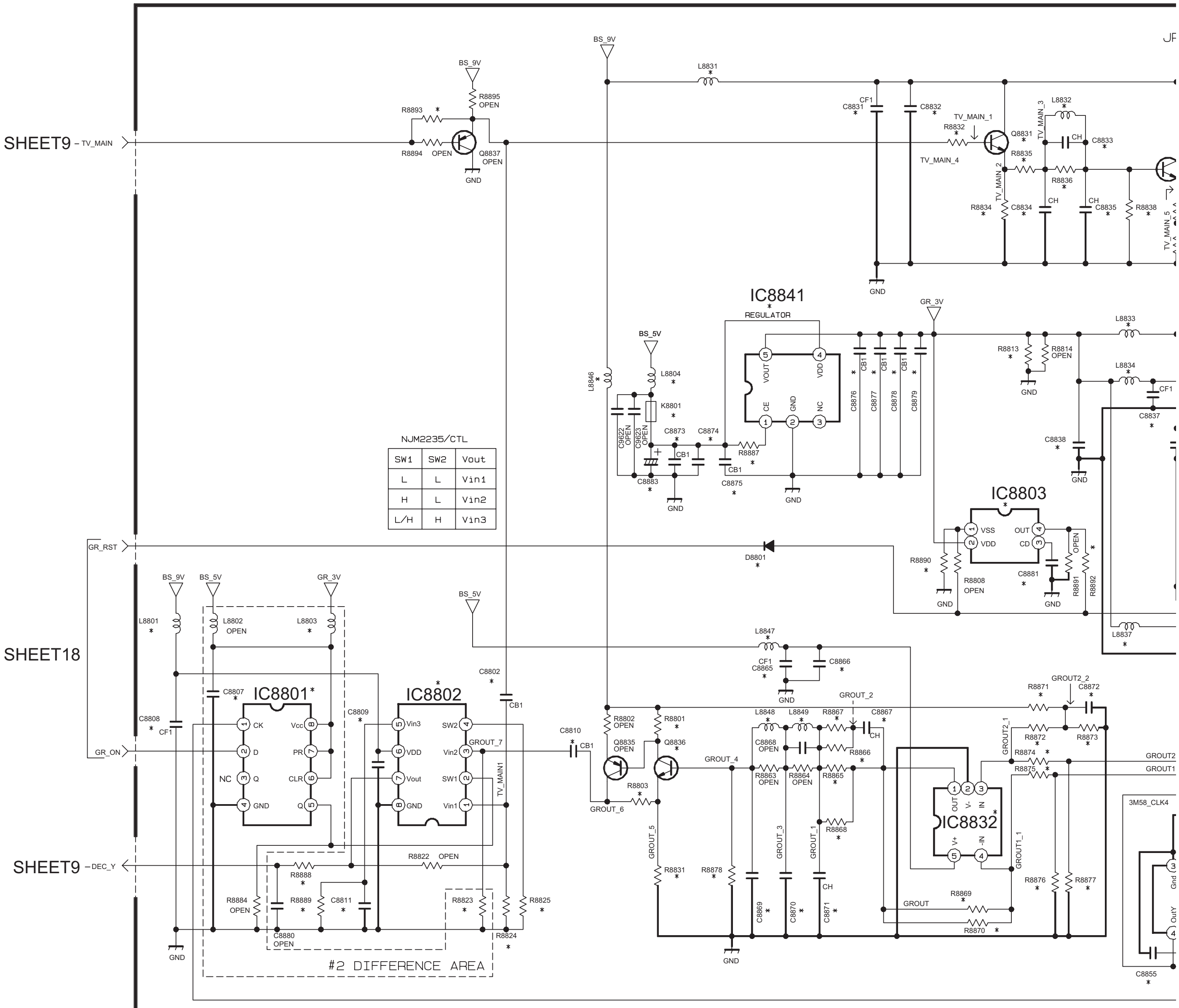
* DIFFERENCE LIST

ASSY NO.	SRA -0D001A	SRA -0D002A	SRA -0D003A	SRA -0D004A	SRA -0D005A	SRA -0D006A
	OLLC08608	OLLC08608 -02	OLLC08608 -03	OLLC08609	OLLC08609 -02	OLLC08609 -03
R8885	OPEN	OPEN	OPEN	0	0	0
R8886	OPEN	OPEN	OPEN	0	0	0


IC7501
OPEN
STB3.3V
1OE
1A
1B
GND
VCC
2OE
2B
2A
C7512 OPEN
R7536 OPEN
Q7508 OPEN
GND
R7537 OPEN
D7510 OPEN
R7538 OPEN
D7511 OPEN
CEC/TVLK
SHEET18
CECIN
DIGITAL INPUT BLOCK
TVLINKIN
TVLINKOUT
SHEET24
LB_PRO
SHEET18,22
LB_POW
SHEET12,13,18,22
MAIN_POW
EXT_YS2
EXT_YS1
AGC
SHEET18
DBS_LED1
DBS_LED2
SHEET23
A_MUTE
M_MUTE
SHEET18
POW_LED
SHEET18,21
CARD_INT
SHEET18
MECA_SW
SHEET14,21,23,24
AFT1
SHEET18,23,24
EE_CDS1
MSP_RST
DINPHOT
SHEET18
SDA3A
SCL3A
SHEET10,11,12,18,19,
DIGITAL INPUT BLOCK
CARD_CK
CARD_DA
SHEET18
TEXT_FR
TEXT_FG
TEXT_FB
SHEET24
STB_5V
R7521 OPEN
LC7505 NQR0483-005X
C7511 10p CH
C7504 10p CH
C7505 10p CH
C7518 OPEN
C7519 OPEN
K7501 NQR0413-002X
C7506 10p
C7507 10p
C7508 10p
C7510 10p
K7504 NRSA63J-0R0X
D7513 OPEN
D7512 OPEN
L7501 0
L7502 0
R7523 OPEN
R7524 OPEN
R7525 OPEN
LC7507 OPEN
LC7508 OPEN
LC7509 OPEN
STB3.3VA
R7539 OPEN
R8885 *
R8886 *
LC8801 OPEN
LC8802 OPEN
DEC_Y
TV_MAIN
SHEET10
R7540 OPEN
R7541 OPEN
R7542 OPEN
R7543 OPEN
SCLM
SDAM
SHEET23,24
SCL1
SDA1
SHEET23
SDA3A_1
SCL3A_1
BS_IR_1
45 SDA0
44 SCL0
43 STB_5V
42 TVLINK
41 GND
40 POW_GOOD
39 AC_IN
38 LB_PR
37 LB_POW
36 MAINPOW
35 (AUDIO_R)
34 (AUDIO_L)
33 B1_POW
32 CODECRST
31 REC_LED
30 (EXT_YS2)
29 EXT_YS1
28 AGC
27 DBS_LED1
26 DBS_LED2
25 GND
24 STB3.3V
23 STB3.3V
22 A_MUTE
21 M_MUTE
20 POW_LED
19 CARD_INT
18 MECA_SW
17 AFT1
16 EE_CDS
15 MSP_RST
14 SDA3A
13 SCL3A
12 CARD_CK
11 CARD_DA
10 DIN_PHOT
9 TEXT_FR
8 GND
7 TEXT_FG
6 GND
5 TEXT_FB
4 GND
3 DEC_Y
2 GND
1 TV_MAIN
CN001 OPEN
OPEN

c10431011_0930_11/17_0.0

DIGITAL PWB CIRCUIT DIAGRAM (2/16) [GR BLOCK] SHEET 10


SHEET9 – TV_MAIN
SHEET18
SHEET9 – DEC_Y
GR_RST
GR_ON
BS_9V
BS_5V
GR_3V
GND
IC8841
REGULATOR
IC8803
IC8801
IC8802
IC8832
Q8837
Q8831
Q8835
Q8836
D8801
L8831
L8832
L8833
L8834
L8837
L8846
L8804
K8801
L8801
L8802 OPEN
L8803
L8847
L8848
L8849
R8893
R8894 OPEN
R8895 OPEN
R8832
R8834
R8835
R8836
R8838
R8813
R8814 OPEN
R8887
R8890
R8808 OPEN
R8891
R8892
R8802 OPEN
R8801
R8803
R8831
R8878
R8863 OPEN
R8864 OPEN
R8865
R8866
R8867
R8868
R8869
R8870
R8871
R8872
R8873
R8874
R8875
R8876
R8877
R8822 OPEN
R8823
R8824
R8825
R8884 OPEN
R8888
R8889
C8831
C8832
C8833
C8834
C8835
C8837
C8838
C8873
C8874
C8875
C8876
C8877
C8878
C8879
C8883
C9622 OPEN
C9621 OPEN
C8881
C8802
C8807
C8808
C8809
C8810
C8811
C8880 OPEN
C8865
C8866
C8867
C8868 OPEN
C8869
C8870
C8871
C8872
C8855
TV_MAIN_1
TV_MAIN_2
TV_MAIN_3
TV_MAIN_4
TV_MAIN_5
TV_MAIN1
GROUT
GROUT_1
GROUT_2
GROUT_3
GROUT_4
GROUT_5
GROUT_6
GROUT_7
GROUT1
GROUT2
GROUT1_1
GROUT2_1
GROUT2_2
3M58_CLK4
#2 DIFFERENCE AREA

NJM2235/CTL

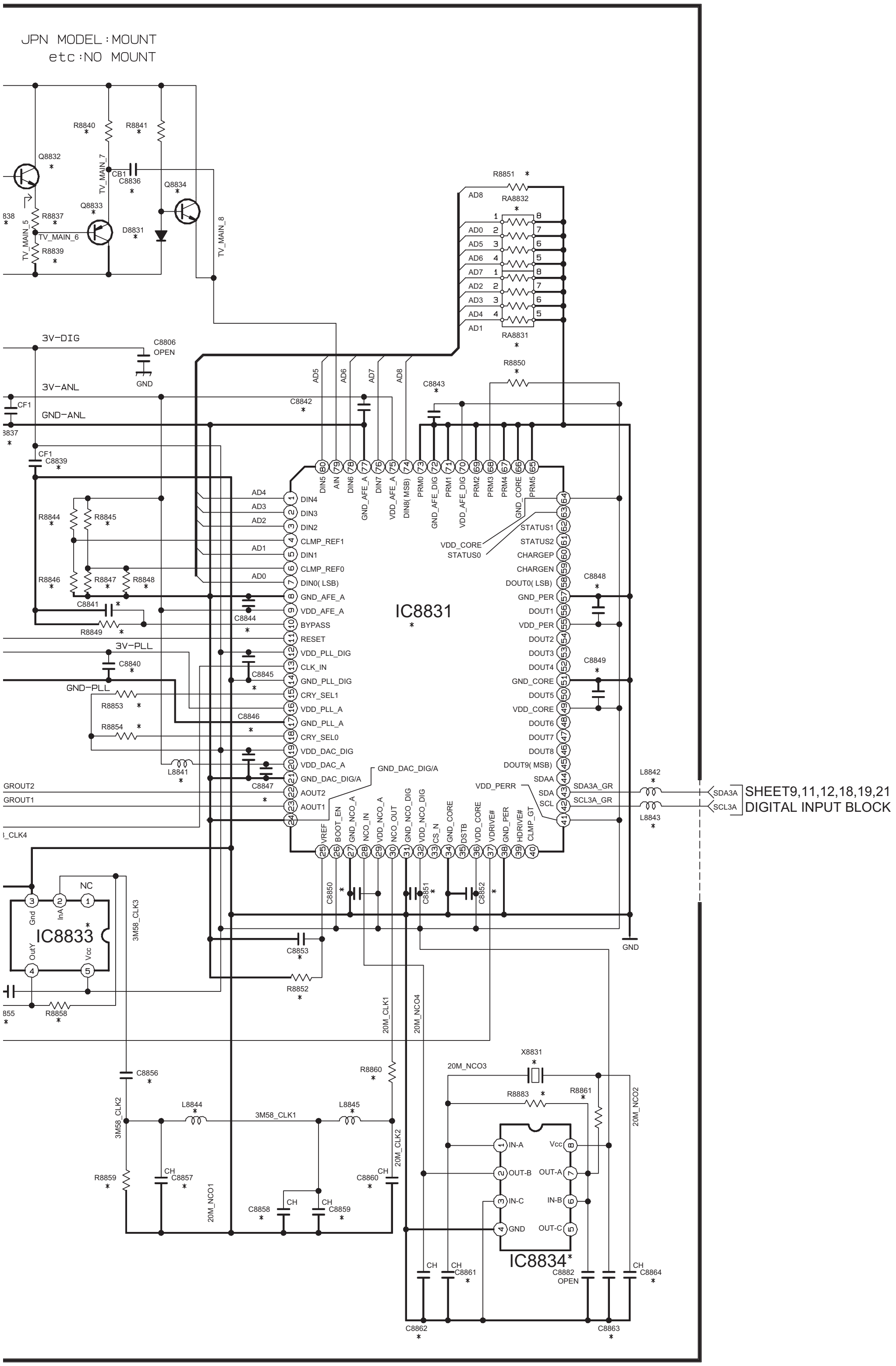
SW1	SW2	Vout
L	L	Vin1
H	L	Vin2
L/H	H	Vin3

NOTE.

*1:NQL0413-003X
*2:NQL092K-100X
*3:NQL092K-2R2X
*4:NQL092K-6R8X
*5:MA111-X
LC1:NQR0470-001X
LC2:NQR0470-007X
LC3:NQR0313-009X
PNP:2SA1530A/QR/-X
NPN:2SC3928A/QR/-X

DIGITAL PWB ASS'Y(2/16)

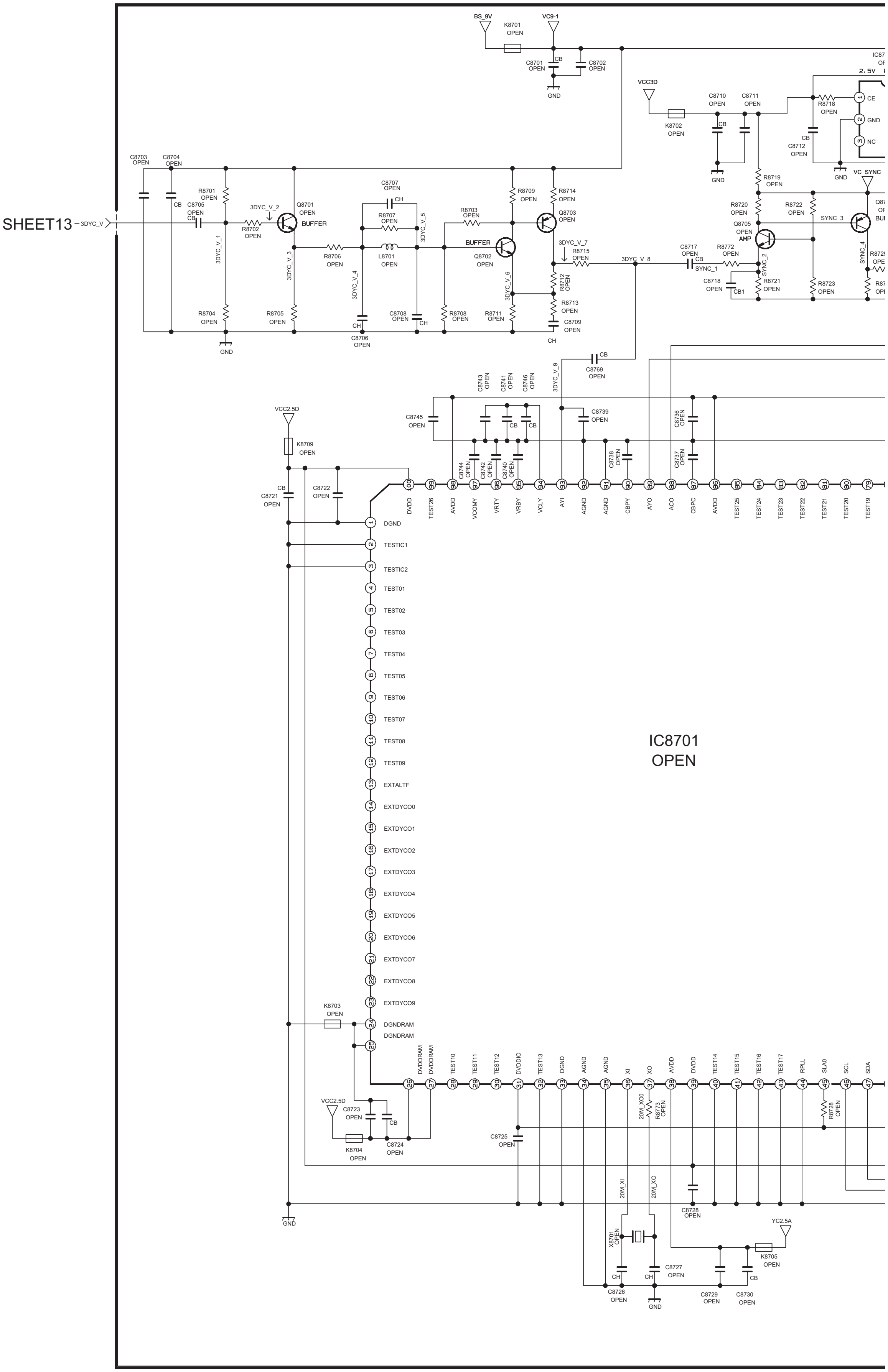
SRA0D003A-M2 [HD-56FH96]
SRA0D002A-M2 [HD-61FH96]
SRA0D001A-M2 [HD-70FH96]


JPN MODEL:MOUNT
etc:NO MOUNT
R8840 *
R8841 *
Q8832 *
TV_MAIN_7
CB1
C8836 *
Q8834 *
Q8833 *
R8837 *
TV_MAIN_5
TV_MAIN_6
D8831 *
R8839 *
TV_MAIN_8
R8851 *
AD8
RA8832 *
AD0
AD5
AD6
AD7
AD2
AD3
AD4
AD1
RA8831 *
3V-DIG
C8806 OPEN
GND
R8850 *
3V-ANL
C8843 *
C8842 *
CF1
GND-ANL
C8839 *
AD4
AD3
AD2
AD1
AD0
R8844 *
R8845 *
R8846 *
R8847 *
R8848 *
C8841 *
C8844 *
R8849 *
3V-PLL
C8840 *
GND-PLL
C8845 *
R8853 *
R8854 *
C8846 *
L8841 *
C8847 *
GROUT2
GROUT1
DIN4
DIN3
DIN2
CLMP_REF1
DIN1
CLMP_REF0
DIN0(LSB)
GND_AFE_A
VDD_AFE_A
BYPASS
RESET
VDD_PLL_DIG
CLK_IN
GND_PLL_DIG
CRY_SEL1
VDD_PLL_A
GND_PLL_A
CRY_SEL0
VDD_DAC_DIG
VDD_DAC_A
GND_DAC_DIG/A
AOUT2
AOUT1
DIN5
AIN
DIN6
GND_AFE_A
DIN7
VDD_AFE_A
DIN8(MSB)
PRM0
GND_AFE_DIG
PRM1
VDD_AFE_DIG
PRM2
PRM3
PRM4
GND_CORE
PRM5
IC8831 *
VDD_CORE
STATUS0
STATUS1
STATUS2
CHARGEP
CHARGEN
DOUT0(LSB)
GND_PER
DOUT1
VDD_PER
DOUT2
DOUT3
DOUT4
GND_CORE
DOUT5
VDD_CORE
DOUT6
DOUT7
DOUT8
DOUT9(MSB)
SDAA
SDA3A_GR
SCL3A_GR
SDA
SCL
VDD_PERR
GND_DAC_DIG/A
VREF
BOOT_EN
GND_NCO_A
NCO_IN
VDD_NCO_A
NCO_OUT
GND_NCO_DIG
VDD_NCO_DIG
CS_N
GND_CORE
DSTB
VDD_CORE
VDRIVE#
GND_PER
HDRIVE#
CLMP_GT
C8848 *
C8849 *
L8842 *
L8843 *
SDA3A
SCL3A
SHEET9,11,12,18,19,21
DIGITAL INPUT BLOCK
C8850
C8851
C8852
GND
_CLK4
NC
IC8833
Gnd
InA
OutY
Vcc
3M58_CLK3
C8853 *
R8852 *
R8858 *
C8856 *
20M_CLK1
20M_NCO4
R8860 *
L8844 *
3M58_CLK1
L8845 *
3M58_CLK2
R8859 *
CH
C8857 *
20M_NCO1
C8858 *
CH
CH
C8859 *
C8860 *
20M_CLK2
X8831 *
20M_NCO3
R8883 *
R8861 *
20M_NCO2
IN-A
Vcc
OUT-B
OUT-A
IN-C
IN-B
GND
OUT-C
IC8834 *
CH
CH
C8861 *
C8882 OPEN
CH
C8864 *
C8862 *
C8863 *

* DIFFERENCE LIST

ASSY NO.	SRA-0D001A	SRA-0D002A	SRA-0D003A	SRA-0D004A	SRA-0D005A	SRA-0D006A
	OLLC08608	OLLC08608-02	OLLC08608-03	OLLC08609	OLLC08609-02	OLLC08609-03
X8831	OPEN	OPEN	OPEN	NAX0118-001X	NAX0118-001X	NAX0118-001X
IC8801	OPEN	OPEN	OPEN	TC7W74F-X	TC7W74F-X	TC7W74F-X
IC8802	OPEN	OPEN	OPEN	NJM2235V-X	NJM2235V-X	NJM2235V-X
IC8803	OPEN	OPEN	OPEN	S-80928CLNB-G-W	S-80928CLNB-G-W	S-80928CLNB-G-W
IC8831	OPEN	OPEN	OPEN	OR43304BMQC	OR43304BMQC	OR43304BMQC
IC8832	OPEN	OPEN	OPEN	EL8101IWZ-X	EL8101IWZ-X	EL8101IWZ-X
IC8833	OPEN	OPEN	OPEN	TC7S04FU-X	TC7S04FU-X	TC7S04FU-X
IC8834	OPEN	OPEN	OPEN	TC7WHU04FU-X	TC7WHU04FU-X	TC7WHU04FU-X
IC8841	OPEN	OPEN	OPEN	R1170H331B-X	R1170H331B-X	R1170H331B-X
Q8831	OPEN	OPEN	OPEN	NPN	NPN	NPN
Q8832	OPEN	OPEN	OPEN	NPN	NPN	NPN
Q8833	OPEN	OPEN	OPEN	PNP	PNP	PNP
Q8834	OPEN	OPEN	OPEN	NPN	NPN	NPN
Q8836	OPEN	OPEN	OPEN	NPN	NPN	NPN
D8801	OPEN	OPEN	OPEN	*5	*5	*5
D8831	OPEN	OPEN	OPEN	*5	*5	*5
K8801	OPEN	OPEN	OPEN	NQR0489-002X	NQR0489-002X	NQR0489-002X
L8801	OPEN	OPEN	OPEN	NRSA02J-0R0X	NRSA02J-0R0X	NRSA02J-0R0X
L8803	OPEN	OPEN	OPEN	NQR0499-001X	NQR0499-001X	NQR0499-001X
L8804	OPEN	OPEN	OPEN	NQL52EM-101X	NQL52EM-101X	NQL52EM-101X
L8831	OPEN	OPEN	OPEN	*1	*1	*1
L8832	OPEN	OPEN	OPEN	*4	*4	*4
L8833	OPEN	OPEN	OPEN	NRSA02J-0R0X	NRSA02J-0R0X	NRSA02J-0R0X
L8834	OPEN	OPEN	OPEN	NRSA02J-0R0X	NRSA02J-0R0X	NRSA02J-0R0X
L8837	OPEN	OPEN	OPEN	NQL914K-470X	NQL914K-470X	NQL914K-470X
L8841	OPEN	OPEN	OPEN	*1	*1	*1
L8842	OPEN	OPEN	OPEN	*2	*2	*2
L8843	OPEN	OPEN	OPEN	*2	*2	*2
L8844	OPEN	OPEN	OPEN	*2	*2	*2
L8845	OPEN	OPEN	OPEN	*2	*2	*2
L8846	OPEN	OPEN	OPEN	*1	*1	*1
L8847	OPEN	OPEN	OPEN	*1	*1	*1
L8848	OPEN	OPEN	OPEN	*3	*3	*3
L8849	OPEN	OPEN	OPEN	*3	*3	*3
RA8831	OPEN	OPEN	OPEN	NRZ0034-103W	NRZ0034-103W	NRZ0034-103W
RA8832	OPEN	OPEN	OPEN	NRZ0034-103W	NRZ0034-103W	NRZ0034-103W
R8801	OPEN	OPEN	OPEN	0	0	0
R8803	OPEN	OPEN	OPEN	0	0	0
R8813	OPEN	OPEN	OPEN	560	560	560
R8823	OPEN	OPEN	OPEN	1M	1M	1M
R8824	OPEN	OPEN	OPEN	470k	470k	470k
R8825	OPEN	OPEN	OPEN	0	0	0
R8831	OPEN	OPEN	OPEN	2.2k	2.2k	2.2k
R8832	OPEN	OPEN	OPEN	100	100	100
R8834	OPEN	OPEN	OPEN	1.2k	1.2k	1.2k
R8835	OPEN	OPEN	OPEN	180	180	180
R8836	OPEN	OPEN	OPEN	680	680	680
R8837	OPEN	OPEN	OPEN	100	100	100
R8838	OPEN	OPEN	OPEN	1k	1k	1k
R8839	OPEN	OPEN	OPEN	1k	1k	1k
R8840	OPEN	OPEN	OPEN	5.6k	5.6k	5.6k
R8841	OPEN	OPEN	OPEN	4.7k	4.7k	4.7k
R8844	OPEN	OPEN	OPEN	3.9k	3.9k	3.9k
R8845	OPEN	OPEN	OPEN	3.9k	3.9k	3.9k
R8846	OPEN	OPEN	OPEN	1k	1k	1k
R8847	OPEN	OPEN	OPEN	1.2k	1.2k	1.2k
R8848	OPEN	OPEN	OPEN	4.7k	4.7k	4.7k
R8849	OPEN	OPEN	OPEN	47k	47k	47k
R8850	OPEN	OPEN	OPEN	10k	10k	10k
R8851	OPEN	OPEN	OPEN	10k	10k	10k
R8852	OPEN	OPEN	OPEN	10k	10k	10k
R8853	OPEN	OPEN	OPEN	10k	10k	10k
R8854	OPEN	OPEN	OPEN	10k	10k	10k
R8858	OPEN	OPEN	OPEN	1M	1M	1M
R8859	OPEN	OPEN	OPEN	1.8k	1.8k	1.8k
R8860	OPEN	OPEN	OPEN	100	100	100
R8861	OPEN	OPEN	OPEN	330	330	330
R8865	OPEN	OPEN	OPEN	47	47	47
R8866	OPEN	OPEN	OPEN	330	330	330
R8867	OPEN	OPEN	OPEN	47	47	47
R8868	OPEN	OPEN	OPEN	330	330	330
R8869	OPEN	OPEN	OPEN	3.3k	3.3k	3.3k
R8870	OPEN	OPEN	OPEN	47k	47k	47k
R8871	OPEN	OPEN	OPEN	1k	1k	1k
R8872	OPEN	OPEN	OPEN	8.2k	8.2k	8.2k
R8873	OPEN	OPEN	OPEN	390	390	390
R8874	OPEN	OPEN	OPEN	1.8k	1.8k	1.8k
R8875	OPEN	OPEN	OPEN	1.8k	1.8k	1.8k
R8876	OPEN	OPEN	OPEN	75	75	75
R8877	OPEN	OPEN	OPEN	75	75	75
R8878	OPEN	OPEN	OPEN	1k	1k	1k
R8883	OPEN	OPEN	OPEN	1M	1M	1M
R8887	OPEN	OPEN	OPEN	1k	1k	1k
R8888	OPEN	OPEN	OPEN	0	0	0
R8889	OPEN	OPEN	OPEN	1M	1M	1M
R8890	OPEN	OPEN	OPEN	0	0	0
R8892	OPEN	OPEN	OPEN	3.9k	3.9k	3.9k
R8893	OPEN	OPEN	OPEN	0	0	0
C8802	OPEN	OPEN	OPEN	10/10	10/10	10/10
C8807	OPEN	OPEN	OPEN	0.1/16	0.1/16	0.1/16
C8808	OPEN	OPEN	OPEN	4.7/16	4.7/16	4.7/16
C8809	OPEN	OPEN	OPEN	0.01/50	0.01/50	0.01/50
C8810	OPEN	OPEN	OPEN	10/10	10/10	10/10
C8811	OPEN	OPEN	OPEN	0.1/16	0.1/16	0.1/16
C8831	OPEN	OPEN	OPEN	4.7/16	4.7/16	4.7/16
C8832	OPEN	OPEN	OPEN	0.1/16	0.1/16	0.1/16
C8833	OPEN	OPEN	OPEN	15p/50	15p/50	15p/50
C8834	OPEN	OPEN	OPEN	220p/50	220p/50	220p/50
C8835	OPEN	OPEN	OPEN	120p/50	120p/50	120p/50
C8836	OPEN	OPEN	OPEN	4.7/16	4.7/16	4.7/16
C8837	OPEN	OPEN	OPEN	4.7/16	4.7/16	4.7/16
C8838	OPEN	OPEN	OPEN	0.1/16	0.1/16	0.1/16
C8839	OPEN	OPEN	OPEN	4.7/16	4.7/16	4.7/16
C8840	OPEN	OPEN	OPEN	0.1/16	0.1/16	0.1/16
C8841	OPEN	OPEN	OPEN	0.1/16	0.1/16	0.1/16
C8842	OPEN	OPEN	OPEN	0.1/16	0.1/16	0.1/16
C8843	OPEN	OPEN	OPEN	0.1/16	0.1/16	0.1/16
C8844	OPEN	OPEN	OPEN	0.1/16	0.1/16	0.1/16
C8845	OPEN	OPEN	OPEN	0.1/16	0.1/16	0.1/16
C8846	OPEN	OPEN	OPEN	0.1/16	0.1/16	0.1/16
C8847	OPEN	OPEN	OPEN	0.1/16	0.1/16	0.1/16
C8848	OPEN	OPEN	OPEN	0.1/16	0.1/16	0.1/16
C8849	OPEN	OPEN	OPEN	0.1/16	0.1/16	0.1/16
C8850	OPEN	OPEN	OPEN	0.1/16	0.1/16	0.1/16
C8851	OPEN	OPEN	OPEN	0.1/16	0.1/16	0.1/16
C8852	OPEN	OPEN	OPEN	0.1/16	0.1/16	0.1/16
C8853	OPEN	OPEN	OPEN	0.1/16	0.1/16	0.1/16
C8855	OPEN	OPEN	OPEN	0.1/16	0.1/16	0.1/16
C8856	OPEN	OPEN	OPEN	1000p/50	1000p/50	1000p/50
C8857	OPEN	OPEN	OPEN	270p/50	270p/50	270p/50
C8858	OPEN	OPEN	OPEN	560p/50	560p/50	560p/50
C8859	OPEN	OPEN	OPEN	270p/50	270p/50	270p/50
C8860	OPEN	OPEN	OPEN	390p/50	390p/50	390p/50
C8861	OPEN	OPEN	OPEN	33p/50	33p/50	33p/50
C8862	OPEN	OPEN	OPEN	10p/50	10p/50	10p/50
C8863	OPEN	OPEN	OPEN	0.1/16	0.1/16	0.1/16
C8864	OPEN	OPEN	OPEN	33p/50	33p/50	33p/50
C8865	OPEN	OPEN	OPEN	4.7/16	4.7/16	4.7/16
C8866	OPEN	OPEN	OPEN	0.1/16	0.1/16	0.1/16
C8867	OPEN	OPEN	OPEN	330p/50	330p/50	330p/50
C8869	OPEN	OPEN	OPEN	1000p/50	1000p/50	1000p/50
C8870	OPEN	OPEN	OPEN	1500p/50	1500p/50	1500p/50
C8871	OPEN	OPEN	OPEN	220p/50	220p/50	220p/50
C8872	OPEN	OPEN	OPEN	0.1/16	0.1/16	0.1/16
C8873	OPEN	OPEN	OPEN	10/10	10/10	10/10
C8874	OPEN	OPEN	OPEN	0.1/16	0.1/16	0.1/16
C8875	OPEN	OPEN	OPEN	1/16	1/16	1/16
C8876	OPEN	OPEN	OPEN	4.7/16	4.7/16	4.7/16
C8877	OPEN	OPEN	OPEN	10/10	10/10	10/10
C8878	OPEN	OPEN	OPEN	10/10	10/10	10/10
C8879	OPEN	OPEN	OPEN	0.1/16	0.1/16	0.1/16
C8881	OPEN	OPEN	OPEN	1000p	1000p	1000p
C8883	OPEN	OPEN	OPEN	NEX60JM-227X	NEX60JM-227X	NEX60JM-227X

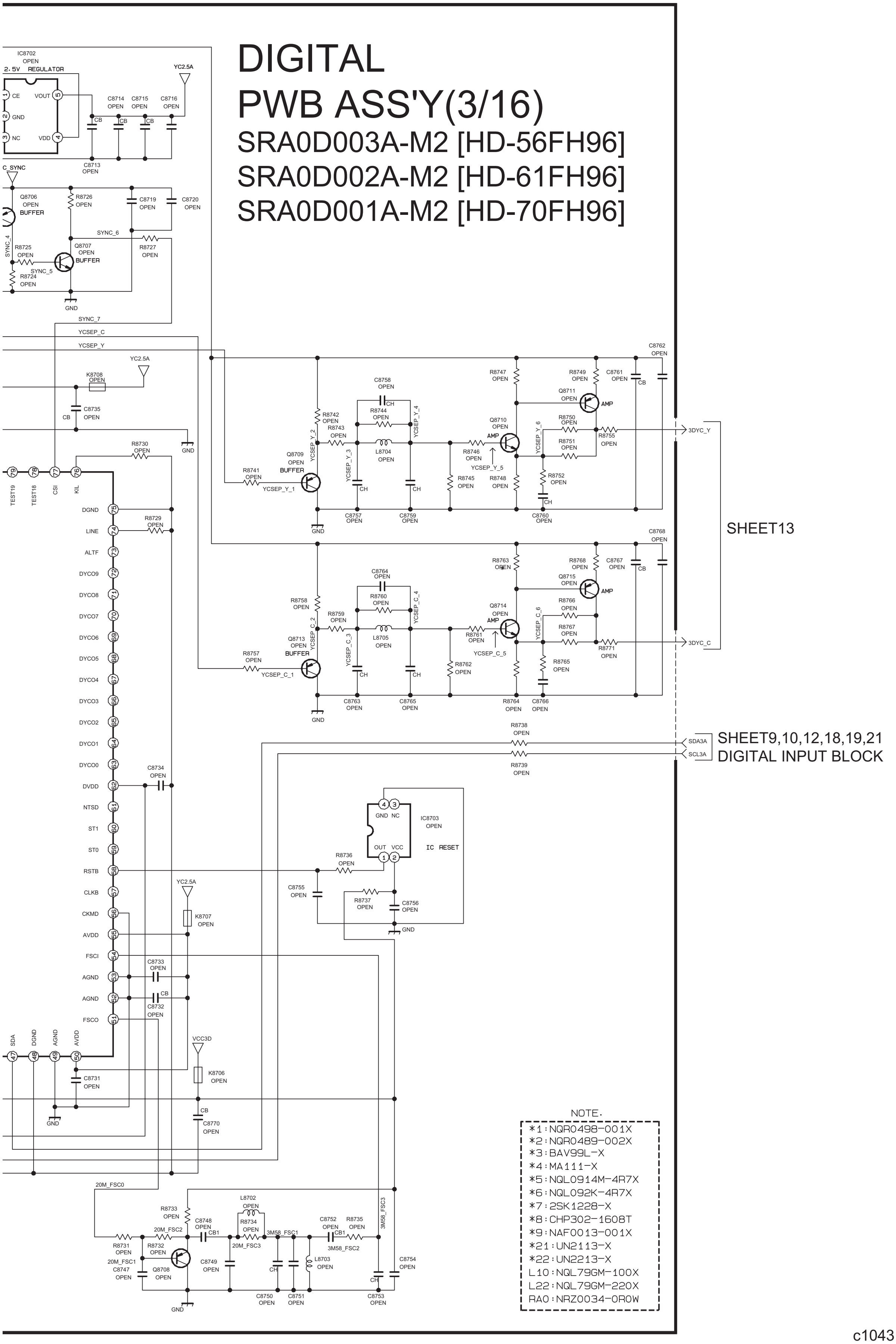
DIGITAL PWB CIRCUIT DIAGRAM (3/16) [Y/C SEPARATOR BLOCK (OPTIONAL)] SHEET 11



SHEET13
3DYC_V
BS_9V
K8701 OPEN
VC9-1
C8701 OPEN
C8702 OPEN
GND
VCC3D
K8702 OPEN
C8710 OPEN
C8711 OPEN
R8718 OPEN
C8712 OPEN
CE
NC
2.5V
VC_SYNC
C8703 OPEN
C8704 OPEN
C8705 OPEN
R8701 OPEN
R8702 OPEN
3DYC_V_2
Q8701 OPEN
BUFFER
C8707 OPEN
R8707 OPEN
L8701 OPEN
R8706 OPEN
R8703 OPEN
R8709 OPEN
R8714 OPEN
Q8703 OPEN
Q8702 OPEN
3DYC_V_1
3DYC_V_3
3DYC_V_4
3DYC_V_5
3DYC_V_6
3DYC_V_7
3DYC_V_8
3DYC_V_9
R8715 OPEN
R8712 OPEN
R8713 OPEN
C8709 OPEN
R8704 OPEN
R8705 OPEN
C8706 OPEN
C8708 OPEN
R8708 OPEN
R8711 OPEN
C8717 OPEN
R8772 OPEN
SYNC_1
SYNC_2
SYNC_3
SYNC_4
C8718 OPEN
R8719 OPEN
R8720 OPEN
R8722 OPEN
Q8705 OPEN
AMP
R8721 OPEN
R8723 OPEN
C8769 OPEN
C8743 OPEN
C8741 OPEN
C8746 OPEN
C8745 OPEN
C8739 OPEN
C8736 OPEN
C8737 OPEN
C8738 OPEN
C8744 OPEN
C8742 OPEN
C8740 OPEN
VCC2.5D
K8709 OPEN
C8721 OPEN
C8722 OPEN
CB
CH
CB1
DVDD
TEST26
AVDD
VCOMY
VRTY
VRBY
VCLY
AYI
AGND
CBPY
AYO
ACO
CBPC
TEST25
TEST24
TEST23
TEST22
TEST21
TEST20
TEST19
DGND
TESTIC1
TESTIC2
TEST01
TEST02
TEST03
TEST04
TEST05
TEST06
TEST07
TEST08
TEST09
EXTALTF
EXTDYCO0
EXTDYCO1
EXTDYCO2
EXTDYCO3
EXTDYCO4
EXTDYCO5
EXTDYCO6
EXTDYCO7
EXTDYCO8
EXTDYCO9
DGNDRAM
IC8701 OPEN
K8703 OPEN
DVDDRAM
TEST10
TEST11
TEST12
DVDDIO
TEST13
XI
XO
TEST14
TEST15
TEST16
TEST17
RPLL
SLA0
SCL
SDA
C8723 OPEN
C8724 OPEN
K8704 OPEN
C8725 OPEN
20M_XO0
R8773 OPEN
R8728 OPEN
20M_XI
20M_XO
C8728 OPEN
YC2.5A
X8701 OPEN
K8705 OPEN
C8727 OPEN
C8726 OPEN
C8729 OPEN
C8730 OPEN

DIGITAL
PWB ASS'Y(3/16)

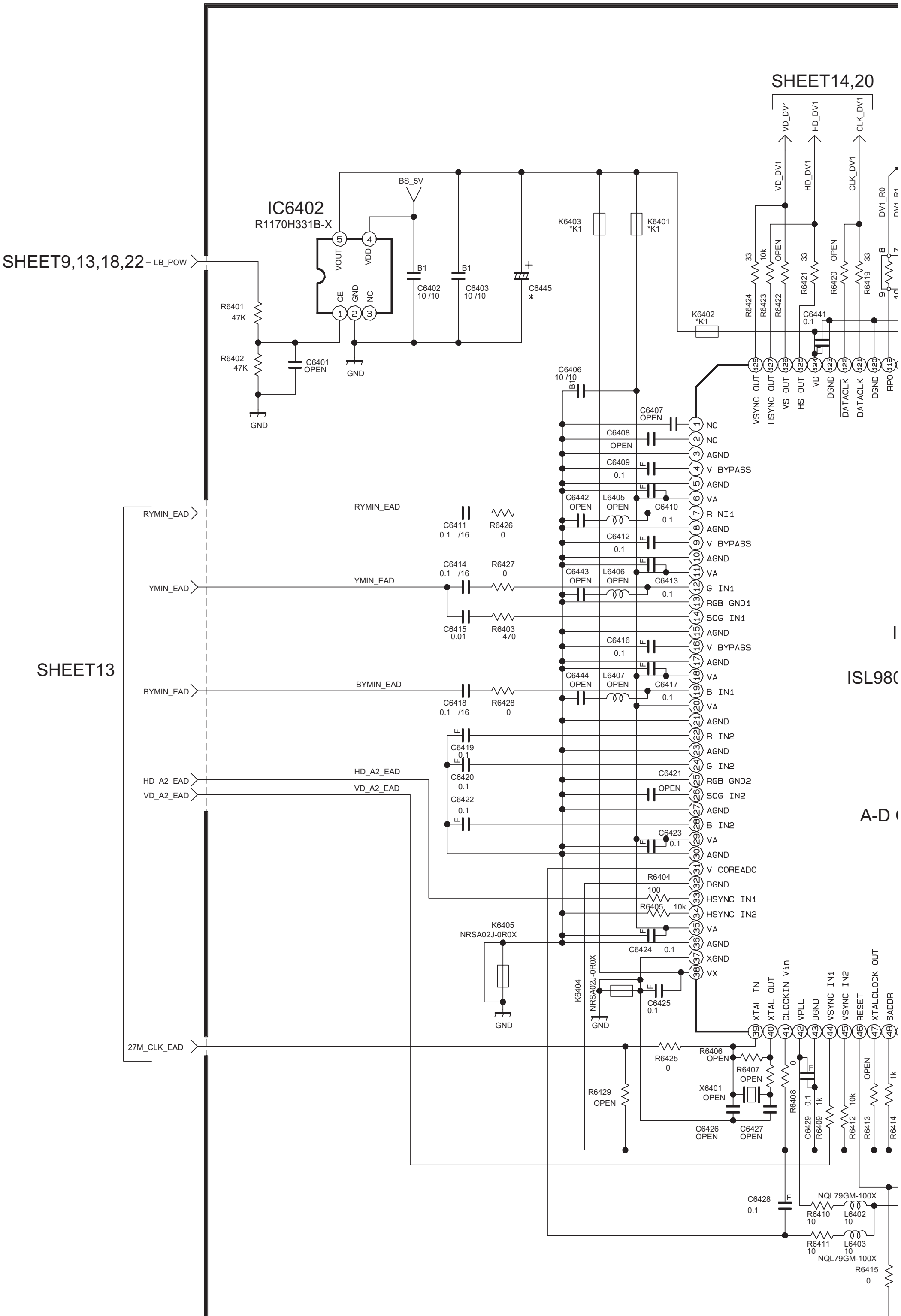
SRA0D003A-M2 [HD-56FH96]
SRA0D002A-M2 [HD-61FH96]
SRA0D001A-M2 [HD-70FH96]


IC8702 OPEN
2.5V REGULATOR
CE
GND
NC
VOUT
VDD
YC2.5A
C8713 OPEN
C8714 OPEN
C8715 OPEN
C8716 OPEN
C_SYNC
Q8706 OPEN BUFFER
R8726 OPEN
C8719 OPEN
C8720 OPEN
SYNC_4
SYNC_5
SYNC_6
SYNC_7
R8725 OPEN
R8724 OPEN
Q8707 OPEN BUFFER
R8727 OPEN
GND
YCSEP_C
YCSEP_Y
K8708 OPEN
C8735 OPEN
R8730 OPEN
TEST19
TEST18
CSI
KIL
DGND
LINE
ALTF
DYCO9
DYCO8
DYCO7
DYCO6
DYCO5
DYCO4
DYCO3
DYCO2
DYCO1
DYCO0
DVDD
NTSD
ST1
ST0
RSTB
CLKB
CKMD
AVDD
FSCI
AGND
AGND
FSCO
SDA
DGND
AGND
AVDD
R8729 OPEN
C8734 OPEN
K8707 OPEN
C8733 OPEN
C8732 OPEN
C8731 OPEN
VCC3D
K8706 OPEN
C8770 OPEN
C8762 OPEN
C8758 OPEN
R8742 OPEN
R8743 OPEN
R8744 OPEN
L8704 OPEN
YCSEP_Y_1
YCSEP_Y_2
YCSEP_Y_3
YCSEP_Y_4
YCSEP_Y_5
YCSEP_Y_6
R8741 OPEN
Q8709 OPEN BUFFER
C8757 OPEN
C8759 OPEN
R8745 OPEN
R8746 OPEN
R8747 OPEN
R8748 OPEN
Q8710 OPEN AMP
R8749 OPEN
C8761 OPEN
Q8711 OPEN AMP
R8750 OPEN
R8751 OPEN
R8752 OPEN
R8755 OPEN
C8760 OPEN
3DYC_Y
SHEET13
C8768 OPEN
C8764 OPEN
R8758 OPEN
R8759 OPEN
R8760 OPEN
L8705 OPEN
YCSEP_C_1
YCSEP_C_2
YCSEP_C_3
YCSEP_C_4
YCSEP_C_5
YCSEP_C_6
R8757 OPEN
Q8713 OPEN BUFFER
C8763 OPEN
C8765 OPEN
R8762 OPEN
R8761 OPEN
R8763 OPEN
Q8714 OPEN AMP
R8768 OPEN
C8767 OPEN
Q8715 OPEN AMP
R8766 OPEN
R8767 OPEN
R8765 OPEN
R8771 OPEN
R8764 OPEN
C8766 OPEN
3DYC_C
R8738 OPEN
R8739 OPEN
SDA3A
SCL3A
SHEET9,10,12,18,19,21
DIGITAL INPUT BLOCK
IC8703 OPEN
IC RESET
GND NC
OUT VCC
R8736 OPEN
C8755 OPEN
R8737 OPEN
C8756 OPEN
20M_FSC0
R8733 OPEN
R8731 OPEN
R8732 OPEN
20M_FSC1
20M_FSC2
20M_FSC3
C8747 OPEN
Q8708 OPEN
C8748 OPEN
C8749 OPEN
L8702 OPEN
R8734 OPEN
3M58_FSC1
3M58_FSC2
3M58_FSC3
C8750 OPEN
C8751 OPEN
L8703 OPEN
C8752 OPEN
R8735 OPEN
C8753 OPEN
C8754 OPEN
CB
CH
CB1

NOTE.

- *1:NQR0498-001X
- *2:NQR0489-002X
- *3:BAV99L-X
- *4:MA111-X
- *5:NQL0914M-4R7X
- *6:NQL092K-4R7X
- *7:2SK1228-X
- *8:CHP302-1608T
- *9:NAF0013-001X
- *21:UN2113-X
- *22:UN2213-X
- L10:NQL79GM-100X
- L22:NQL79GM-220X
- RA0:NRZ0034-0R0W

DIGITAL PWB CIRCUIT DIAGRAM (4/16) [A/D CONVERTER BLOCK] SHEET 12

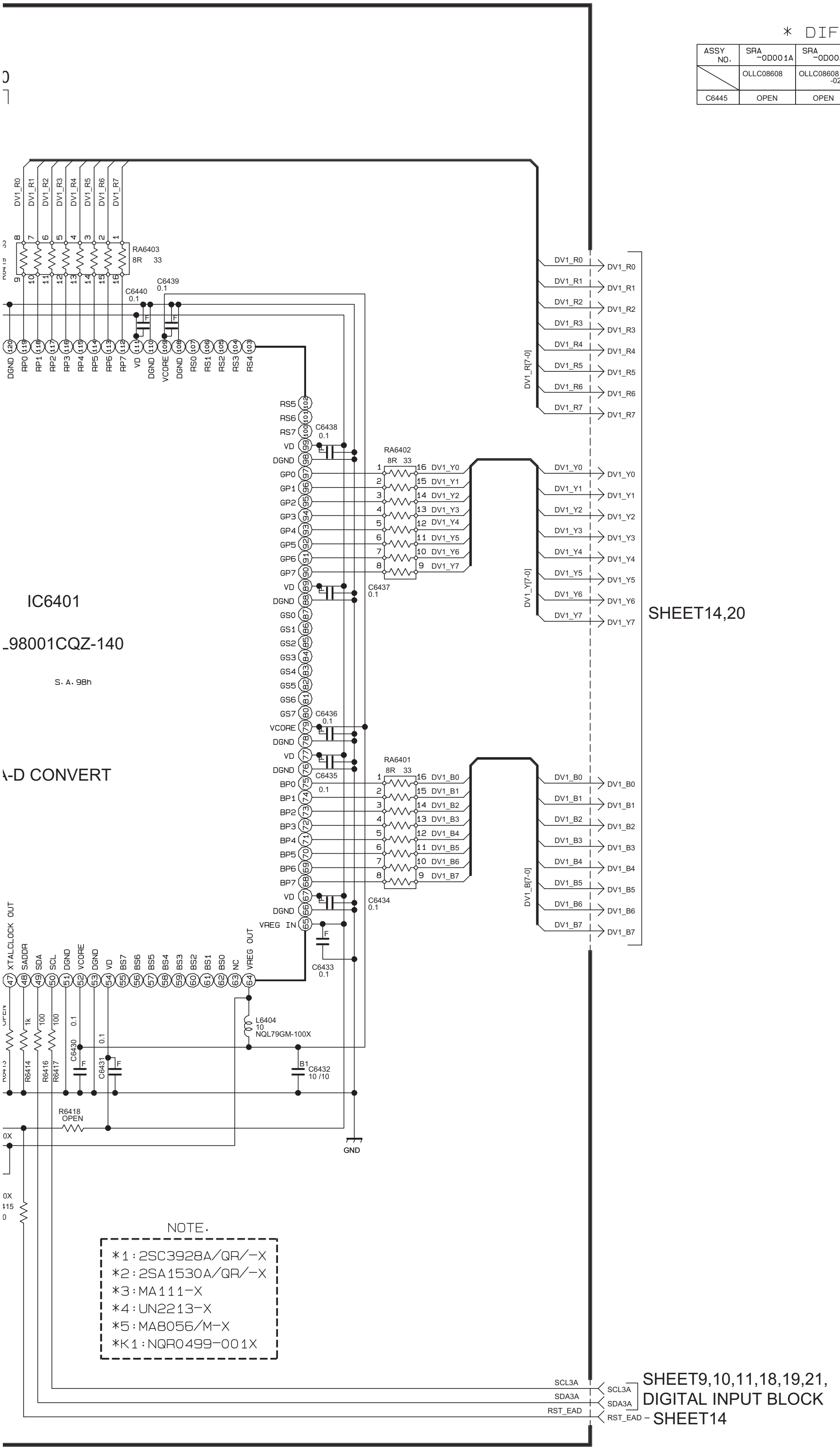

SHEET14,20
VD_DV1
HD_DV1
CLK_DV1
IC6402
R1170H331B-X
BS_5V
VOUT
VDD
CE
GND
NC
SHEET9,13,18,22
LB_POW
R6401
47K
R6402
47K
C6401
OPEN
GND
C6402
10 /10
C6403
10 /10
C6445
K6403
*K1
K6401
*K1
K6402
*K1
C6406
10 /10
C6407
OPEN
C6408
OPEN
C6409
0.1
C6442
OPEN
L6405
OPEN
C6410
0.1
C6411
0.1 /16
R6426
0
C6412
0.1
C6414
0.1 /16
R6427
0
C6443
OPEN
L6406
OPEN
C6413
0.1
C6415
0.01
R6403
470
C6416
0.1
C6444
OPEN
L6407
OPEN
C6417
0.1
C6418
0.1 /16
R6428
0
C6419
0.1
C6420
0.1
C6421
OPEN
C6422
0.1
C6423
0.1
R6404
100
R6405
10k
C6424
0.1
K6405
NRSA02J-0R0X
K6404
NRSA02J-0R0X
C6425
0.1
SHEET13
RYMIN_EAD
YMIN_EAD
BYMIN_EAD
HD_A2_EAD
VD_A2_EAD
27M_CLK_EAD
R6425
0
R6406
OPEN
R6407
OPEN
X6401
OPEN
R6429
OPEN
C6426
OPEN
C6427
OPEN
R6408
C6429
0.1
R6409
1k
R6412
10k
R6413
OPEN
R6414
1k
C6428
0.1
R6410
10
L6402
10
NQL79GM-100X
R6411
10
L6403
10
R6415
0
R6424
33
R6423
10k
R6422
OPEN
R6421
33
R6420
OPEN
R6419
33
C6441
0.1
1 NC
2 NC
3 AGND
4 V BYPASS
5 AGND
6 VA
7 R IN1
8 AGND
9 V BYPASS
10 AGND
11 VA
12 G IN1
13 RGB GND1
14 SOG IN1
15 AGND
16 V BYPASS
17 AGND
18 VA
19 B IN1
20 VA
21 AGND
22 R IN2
23 AGND
24 G IN2
25 RGB GND2
26 SOG IN2
27 AGND
28 B IN2
29 VA
30 AGND
31 V COREADC
32 DGND
33 HSYNC IN1
34 HSYNC IN2
35 VA
36 AGND
37 XGND
38 VX
39 XTAL IN
40 XTAL OUT
41 CLOCKIN Vin
42 VPLL
43 DGND
44 VSYNC IN1
45 VSYNC IN2
46 RESET
47 XTALCLOCK OUT
48 SADDR
128 VSYNC OUT
127 HSYNC OUT
126 VS OUT
125 HS OUT
124 VD
123 DGND
122 DATACLK
121 DATACLK
120 DGND
119 RP0
ISL980
A-D

DIGITAL PWB ASS'Y(4/16)

SRA0D003A-M2 [HD-56FH96]
SRA0D002A-M2 [HD-61FH96]
SRA0D001A-M2 [HD-70FH96]

* DIFFERENCE LIST

ASSY NO.	SRA -0D001A	SRA -0D002A	SRA -0D003A	SRA -0D004A	SRA -0D005A	SRA -0D006A
	OLLC08608	OLLC08608 -02	OLLC08608 -03	OLLC08609	OLLC08609 -02	OLLC08609 -03
C6445	OPEN	OPEN	OPEN	NEX60GM -337X	NEX60GM -337X	NEX60GM -337X

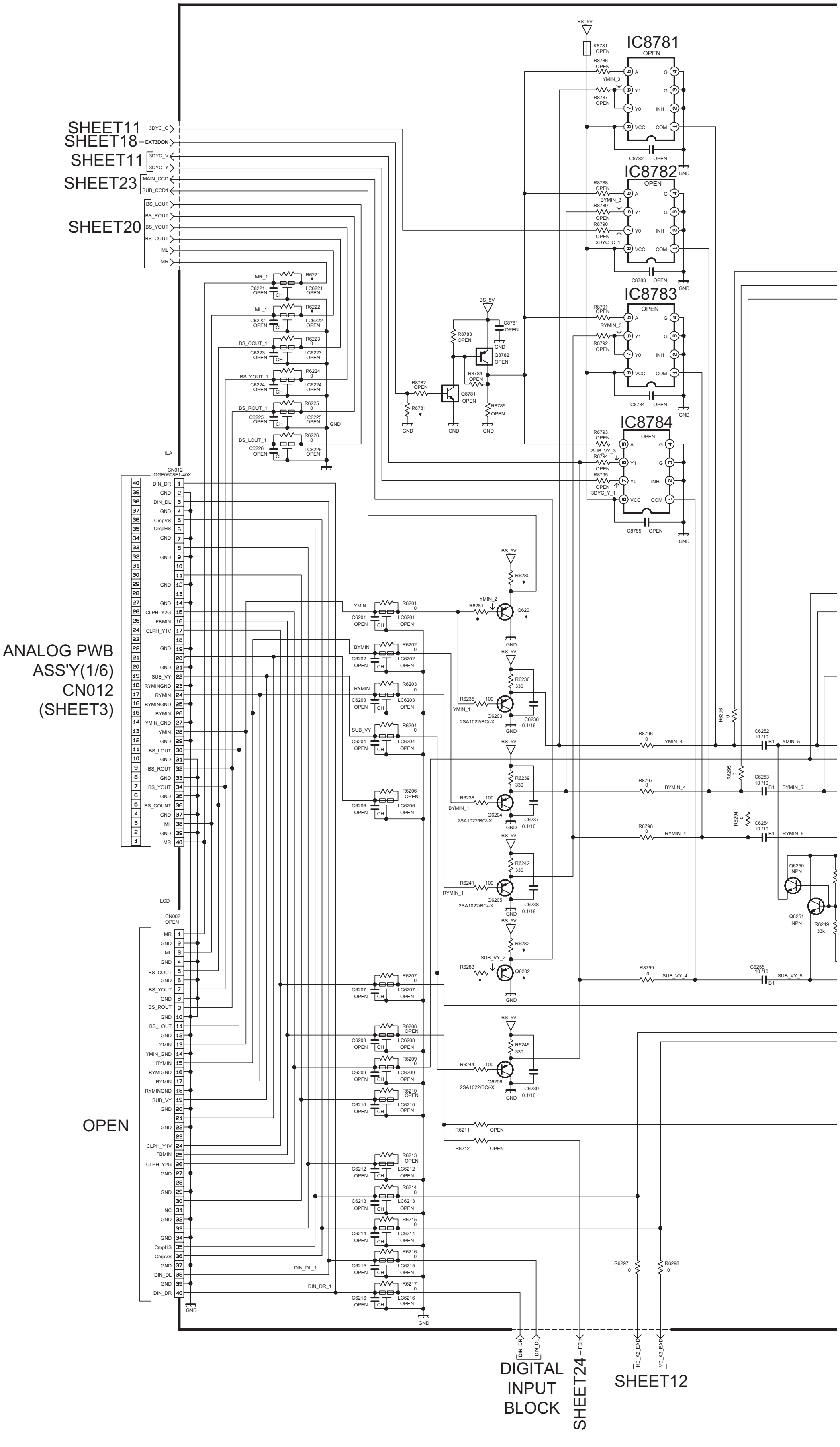

IC6401
98001CQZ-140
S.A.98h
A-D CONVERT
RA6403 8R 33
RA6402 8R 33
RA6401 8R 33
C6440 0.1
C6439 0.1
C6438 0.1
C6437 0.1
C6436 0.1
C6435 0.1
C6434 0.1
C6433 0.1
C6430 0.1
C6431 0.1
C6432 10 /10
L6404 10 NQL79GM-100X
R6414 1k
R6416 100
R6417 100
R6418 OPEN
DGND
RP0
RP1
RP2
RP3
RP4
RP5
RP6
RP7
VD
VCORE
RS0
RS1
RS2
RS3
RS4
RS5
RS6
RS7
GP0
GP1
GP2
GP3
GP4
GP5
GP6
GP7
GS0
GS1
GS2
GS3
GS4
GS5
GS6
GS7
BP0
BP1
BP2
BP3
BP4
BP5
BP6
BP7
VREG IN
XTALCLOCK OUT
SADDR
SDA
SCL
BS7
BS6
BS5
BS4
BS3
BS2
BS1
BS0
NC
VREG OUT
DV1_R[7-0]
DV1_Y[7-0]
DV1_B[7-0]
DV1_R0
DV1_R1
DV1_R2
DV1_R3
DV1_R4
DV1_R5
DV1_R6
DV1_R7
DV1_Y0
DV1_Y1
DV1_Y2
DV1_Y3
DV1_Y4
DV1_Y5
DV1_Y6
DV1_Y7
DV1_B0
DV1_B1
DV1_B2
DV1_B3
DV1_B4
DV1_B5
DV1_B6
DV1_B7
SHEET14,20
GND
SCL3A
SDA3A
RST_EAD
SHEET9,10,11,18,19,21,
DIGITAL INPUT BLOCK
SHEET14

NOTE.

*1:2SC3928A/QR/-X
*2:2SA1530A/QR/-X
*3:MA111-X
*4:UN2213-X
*5:MA8056/M-X
*K1:NQR0499-001X

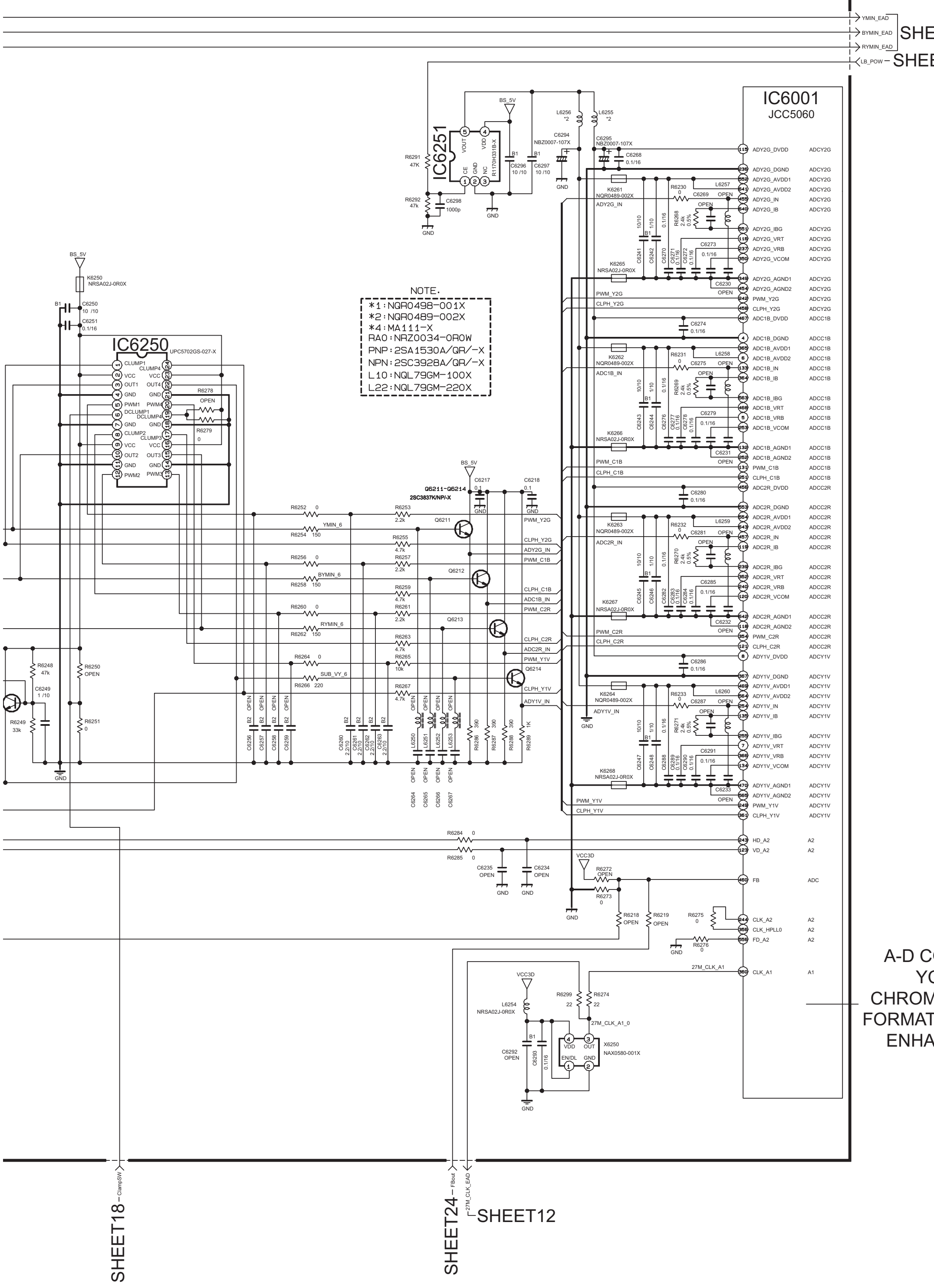
c10431017_0930_17/17_0.0

DIGITAL PWB CIRCUIT DIAGRAM (5/16) [INPUT I/F BLOCK (ANALOG)] SHEET 13


SHEET11
3DYC_C
SHEET18
EXT3DON
SHEET11
3DYC_V
3DYC_Y
SHEET23
MAIN_CCD
SUB_CCD1
SHEET20
BS_LOUT
BS_ROUT
BS_YOUT
BS_COUT
ML
MR
IC8781
OPEN
IC8782
OPEN
IC8783
OPEN
IC8784
OPEN
BS_5V
K8781 OPEN
YMIN_3
BYMIN_3
RYMIN_3
SUB_VY_3
3DYC_C_1
3DYC_Y_1
A
Y1
Y0
VCC
G
INH
COM
C8782 OPEN
C8783 OPEN
C8784 OPEN
C8785 OPEN
GND
C8781 OPEN
Q8782 OPEN
Q8781 OPEN
R8781
R8782 OPEN
R8783 OPEN
R8784 OPEN
R8785 OPEN
MR_1
ML_1
BS_COUT_1
BS_YOUT_1
BS_ROUT_1
BS_LOUT_1
CH
ILA
CN012
QGF0508F1-40X
DIN_DR
DIN_DL
CmpVS
CmpHS
CLPH_Y2G
FBMIN
CLPH_Y1V
SUB_VY
RYMINGND
RYMIN
BYMINGND
BYMIN
YMIN_GND
YMIN
BS_COUNT
ANALOG PWB
ASS'Y(1/6)
CN012
(SHEET3)
LCD
CN002
OPEN
NC
OPEN
YMIN_2
SUB_VY_2
YMIN_1
BYMIN_1
RYMIN_1
Q6201
Q6202
Q6203
Q6204
Q6205
Q6206
2SA1022/BC/-X
R6236 330
R6239 330
R6242 330
R6245 330
C6236 0.1/16
C6237 0.1/16
C6238 0.1/16
C6239 0.1/16
R6211 OPEN
R6212 OPEN
R8796 0
R8797 0
R8798 0
R8799 0
YMIN_4
BYMIN_4
RYMIN_4
SUB_VY_4
C6252 10 /10
C6253 10 /10
C6254 10 /10
C6255 10 /10
B1
YMIN_5
BYMIN_5
RYMIN_5
SUB_VY_5
Q6250 NPN
Q6251 NPN
R6249 33k
R6297 0
R6298 0
DIN_DL_1
DIN_DR_1
DIGITAL
INPUT
BLOCK
SHEET24
SHEET12

DIGITAL PWB ASS'Y(5/16)

SRA0D003A-M2 [HD-56FH96]
SRA0D002A-M2 [HD-61FH96]
SRA0D001A-M2 [HD-70FH96]



YMIN_EAD
BYMIN_EAD
RYMIN_EAD
SHEET12
LB_POW
SHEET9,12,18,22
IC6001
JCC5060
IC6251
IC6250
UPC5702GS-027-X
Q6211-Q6214
2SC3837K/NP/-X
X6250
NAX0580-001X
A-D CONVERT / YC SEP./ CHROMA DEMOD./ FORMAT CONVERT/ ENHANCE / NR
SHEET18
ClampSW
SHEET24
FBout
27M_CLK_EAD
SHEET12

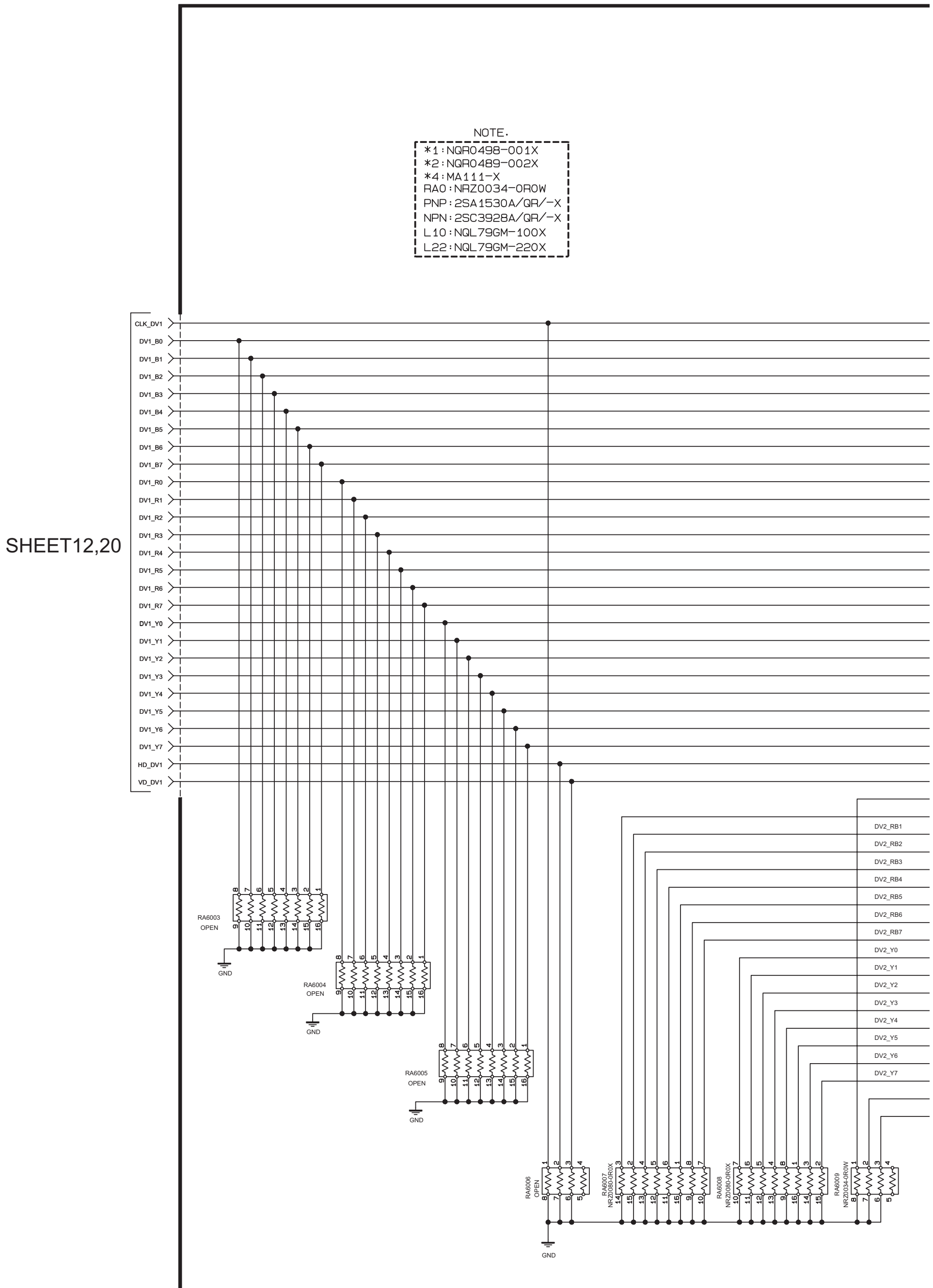
NOTE.

*1:NQR0498-001X
*2:NQR0489-002X
*4:MA111-X
RA0:NRZ0034-0R0W
PNP:2SA1530A/QR/-X
NPN:2SC3928A/QR/-X
L10:NQL79GM-100X
L22:NQL79GM-220X

* DIFFERENCE LIST

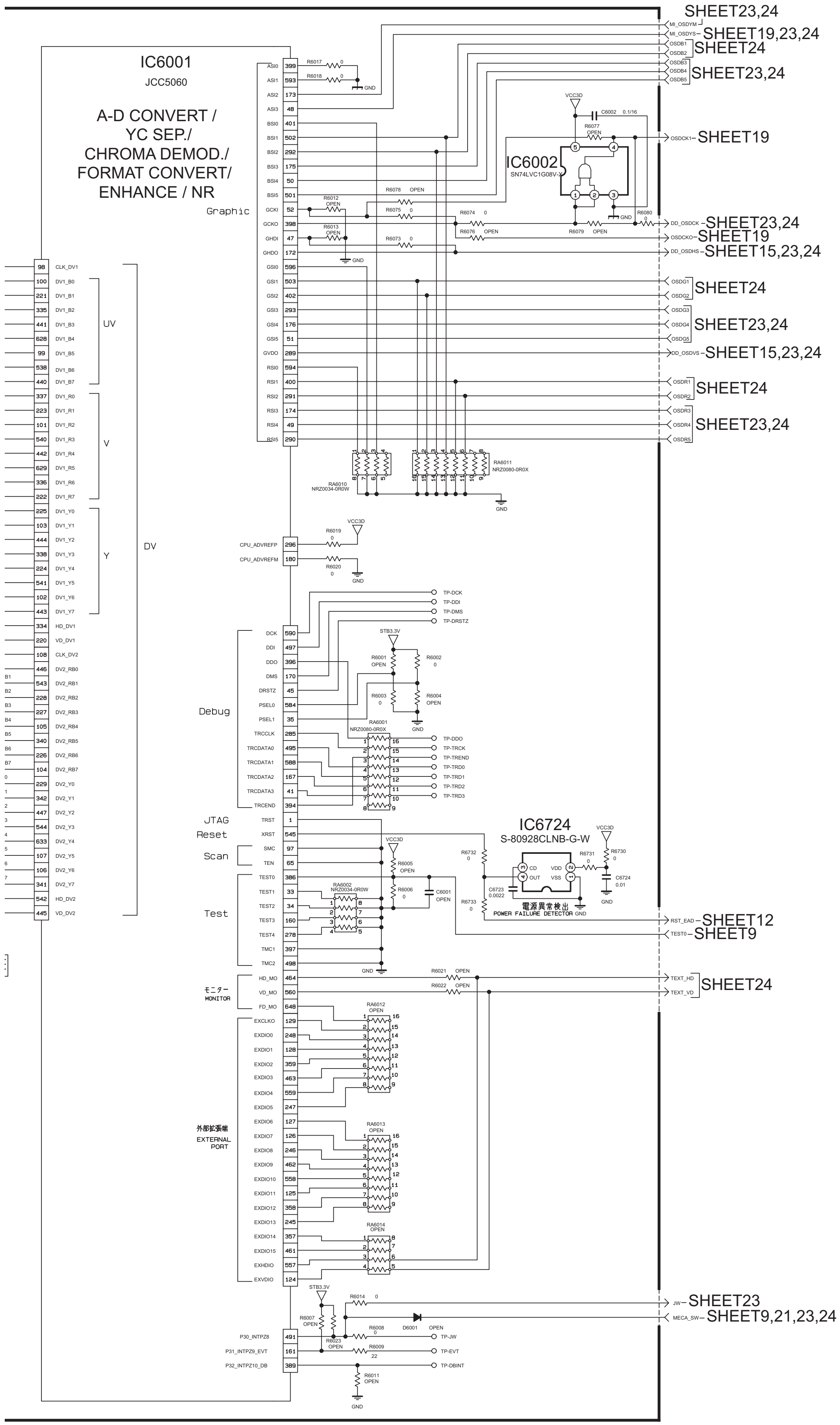
ASSY NO.	SRA -0D001A	SRA -0D002A	SRA -0D003A	SRA -0D004A	SRA -0D005A	SRA -0D006A
	OLLC08608	OLLC08608 -02	OLLC08608 -03	OLLC08609	OLLC08609 -02	OLLC08609 -03
Q6201	PNP	PNP	PNP	OPEN	OPEN	OPEN
Q6202	PNP	PNP	PNP	OPEN	OPEN	OPEN
R6221	OPEN	OPEN	OPEN	0	0	0
R6222	OPEN	OPEN	OPEN	0	0	0
R6280	330	330	330	OPEN	OPEN	OPEN
R6281	100	100	100	OPEN	OPEN	OPEN
R6282	330	330	330	OPEN	OPEN	OPEN
R6283	100	100	100	OPEN	OPEN	OPEN
R8781	100k	100k	100k	100k	100k	100k

c10431001_0930_1/17_0.0

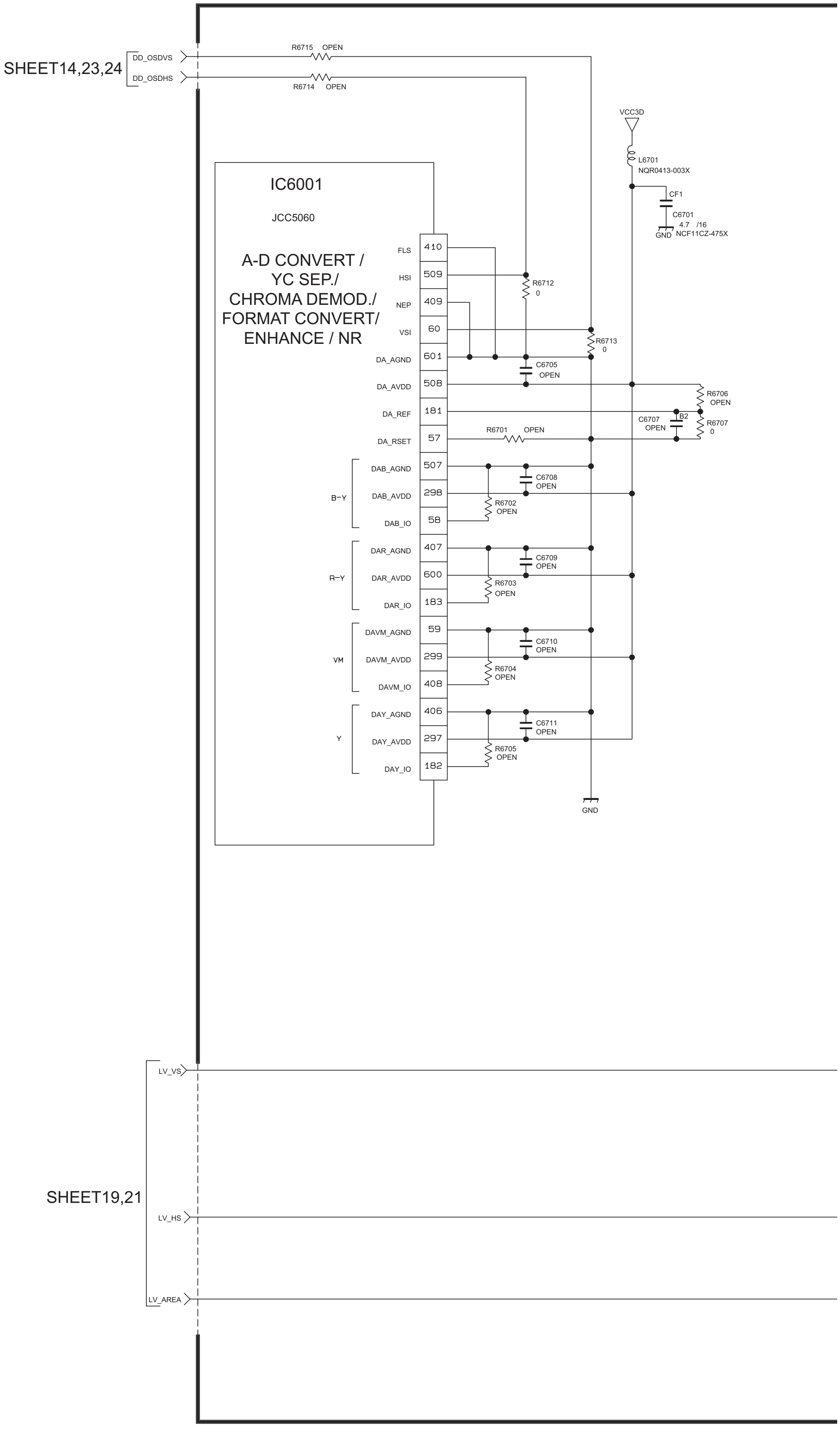

NOTE.
*1:NQR0498-001X
*2:NQR0489-002X
*4:MA111-X
RA0:NRZ0034-0R0W
PNP:2SA1530A/QR/-X
NPN:2SC3928A/QR/-X
L10:NQL79GM-100X
L22:NQL79GM-220X
SHEET12,20
CLK_DV1
DV1_B0
DV1_B1
DV1_B2
DV1_B3
DV1_B4
DV1_B5
DV1_B6
DV1_B7
DV1_R0
DV1_R1
DV1_R2
DV1_R3
DV1_R4
DV1_R5
DV1_R6
DV1_R7
DV1_Y0
DV1_Y1
DV1_Y2
DV1_Y3
DV1_Y4
DV1_Y5
DV1_Y6
DV1_Y7
HD_DV1
VD_DV1
DV2_RB1
DV2_RB2
DV2_RB3
DV2_RB4
DV2_RB5
DV2_RB6
DV2_RB7
DV2_Y0
DV2_Y1
DV2_Y2
DV2_Y3
DV2_Y4
DV2_Y5
DV2_Y6
DV2_Y7
RA6003
OPEN
RA6004
OPEN
RA6005
OPEN
RA6006
OPEN
RA6007
NRZ0080-0R0X
RA6008
NRZ0080-0R0X
RA6009
NRZ0034-0R0W
GND

DIGITAL PWB ASS'Y(6/16)

SRA0D003A-M2 [HD-56FH96]
SRA0D002A-M2 [HD-61FH96]
SRA0D001A-M2 [HD-70FH96]


IC6001
JCC5060
A-D CONVERT / YC SEP./ CHROMA DEMOD./ FORMAT CONVERT/ ENHANCE / NR
Graphic
ASI0 399
ASI1 593
ASI2 173
ASI3 48
BSI0 401
BSI1 502
BSI2 292
BSI3 175
BSI4 50
BSI5 501
GCKI 52
GCKO 398
GHDI 47
GHDO 172
GSI0 596
GSI1 503
GSI2 402
GSI3 293
GSI4 176
GSI5 51
GVDO 289
RSI0 594
RSI1 400
RSI2 291
RSI3 174
RSI4 49
RSI5 290
R6017 0
R6018 0
GND
R6012 OPEN
R6013 OPEN
R6078 OPEN
R6075 0
R6073 0
R6074 0
R6076 OPEN
R6077 OPEN
C6002 0.1/16
VCC3D
IC6002
SN74LVC1G08V-X
R6079 OPEN
R6080 0
MI_OSDYM
MI_OSDYS
OSDB1
OSDB2
OSDB3
OSDB4
OSDB5
OSDCK1
DD_OSDCK
OSDCKO
DD_OSDHS
OSDG1
OSDG2
OSDG3
OSDG4
OSDG5
DD_OSDVS
OSDR1
OSDR2
OSDR3
OSDR4
OSDR5
SHEET23,24
SHEET19,23,24
SHEET24
SHEET23,24
SHEET19
SHEET23,24
SHEET19
SHEET15,23,24
SHEET24
SHEET23,24
SHEET15,23,24
SHEET24
SHEET23,24
RA6010 NRZ0034-0R0W
RA6011 NRZ0080-0R0X
DV
UV
V
Y
98 CLK_DV1
100 DV1_B0
221 DV1_B1
335 DV1_B2
441 DV1_B3
628 DV1_B4
99 DV1_B5
538 DV1_B6
440 DV1_B7
337 DV1_R0
223 DV1_R1
101 DV1_R2
540 DV1_R3
442 DV1_R4
629 DV1_R5
336 DV1_R6
222 DV1_R7
225 DV1_Y0
103 DV1_Y1
444 DV1_Y2
338 DV1_Y3
224 DV1_Y4
541 DV1_Y5
102 DV1_Y6
443 DV1_Y7
334 HD_DV1
220 VD_DV1
108 CLK_DV2
446 DV2_RB0
543 DV2_RB1
228 DV2_RB2
227 DV2_RB3
105 DV2_RB4
340 DV2_RB5
226 DV2_RB6
104 DV2_RB7
229 DV2_Y0
342 DV2_Y1
447 DV2_Y2
544 DV2_Y3
633 DV2_Y4
107 DV2_Y5
106 DV2_Y6
341 DV2_Y7
542 HD_DV2
445 VD_DV2
CPU_ADVREFP 296
CPU_ADVREFM 180
R6019 0
R6020 0
Debug
DCK 590
DDI 497
DDO 396
DMS 170
DRSTZ 45
PSEL0 584
PSEL1 35
TRCCLK 285
TRCDATA0 495
TRCDATA1 588
TRCDATA2 167
TRCDATA3 41
TRCEND 394
TP-DCK
TP-DDI
TP-DMS
TP-DRSTZ
STB3.3V
R6001 OPEN
R6002 0
R6003 0
R6004 OPEN
RA6001 NRZ0080-0R0X
TP-DDO
TP-TRCK
TP-TREND
TP-TRD0
TP-TRD1
TP-TRD2
TP-TRD3
JTAG
Reset
Scan
Test
TRST 1
XRST 545
SMC 97
TEN 65
TEST0 386
TEST1 33
TEST2 34
TEST3 160
TEST4 278
TMC1 397
TMC2 498
R6005 OPEN
R6006 0
C6001 OPEN
RA6002 NRZ0034-0R0W
IC6724
S-80928CLNB-G-W
R6732 0
R6733 0
R6731 0
R6730 0
C6723 0.0022
C6724 0.01
CD
OUT
VDD
VSS
電源異常検出
POWER FAILURE DETECTOR
RST_EAD
TEST0
SHEET12
SHEET9
モニター MONITOR
HD_MO 464
VD_MO 560
FD_MO 648
R6021 OPEN
R6022 OPEN
TEXT_HD
TEXT_VD
SHEET24
外部拡張端 EXTERNAL PORT
EXCLKO 129
EXDIO0 248
EXDIO1 128
EXDIO2 359
EXDIO3 463
EXDIO4 559
EXDIO5 247
EXDIO6 127
EXDIO7 126
EXDIO8 246
EXDIO9 462
EXDIO10 558
EXDIO11 125
EXDIO12 358
EXDIO13 245
EXDIO14 357
EXDIO15 461
EXHDIO 557
EXVDIO 124
RA6012 OPEN
RA6013 OPEN
RA6014 OPEN
R6014 0
R6007 OPEN
R6023 OPEN
R6008 0
R6009 22
R6011 OPEN
D6001 OPEN
P30_INTPZ8 491
P31_INTPZ9_EVT 161
P32_INTPZ10_DB 389
JW
MECA_SW
SHEET23
SHEET9,21,23,24
TP-JW
TP-EVT
TP-DBINT

DIGITAL PWB CIRCUIT DIAGRAM (7/16) [ANALOG RGB OUT BLOCK] SHEET 15

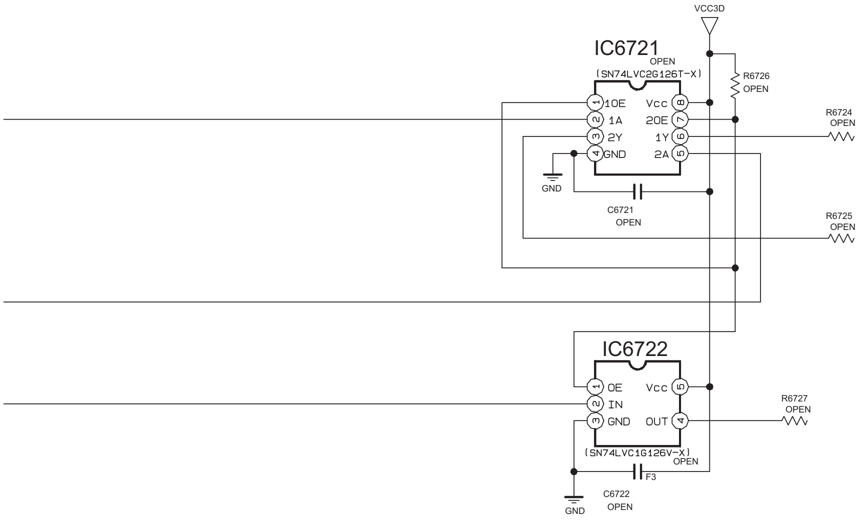

SHEET14,23,24
DD_OSDVS
DD_OSDHS
R6715 OPEN
R6714 OPEN
VCC3D
L6701
NQR0413-003X
CF1
C6701
4.7 /16
NCF11CZ-475X
GND
IC6001
JCC5060
A-D CONVERT /
YC SEP./
CHROMA DEMOD./
FORMAT CONVERT/
ENHANCE / NR
FLS 410
HSI 509
NEP 409
VSI 60
DA_AGND 601
DA_AVDD 508
DA_REF 181
DA_RSET 57
DAB_AGND 507
DAB_AVDD 298
DAB_IO 58
DAR_AGND 407
DAR_AVDD 600
DAR_IO 183
DAVM_AGND 59
DAVM_AVDD 299
DAVM_IO 408
DAY_AGND 406
DAY_AVDD 297
DAY_IO 182
B-Y
R-Y
VM
Y
R6712
0
R6713
0
C6705
OPEN
R6706
OPEN
C6707
OPEN
B2
R6707
0
R6701 OPEN
C6708
OPEN
R6702
OPEN
C6709
OPEN
R6703
OPEN
C6710
OPEN
R6704
OPEN
C6711
OPEN
R6705
OPEN
GND
LV_VS
SHEET19,21
LV_HS
LV_AREA

DIGITAL PWB ASS'Y(7/16)

SRA0D003A-M2 [HD-56FH96]
SRA0D002A-M2 [HD-61FH96]
SRA0D001A-M2 [HD-70FH96]

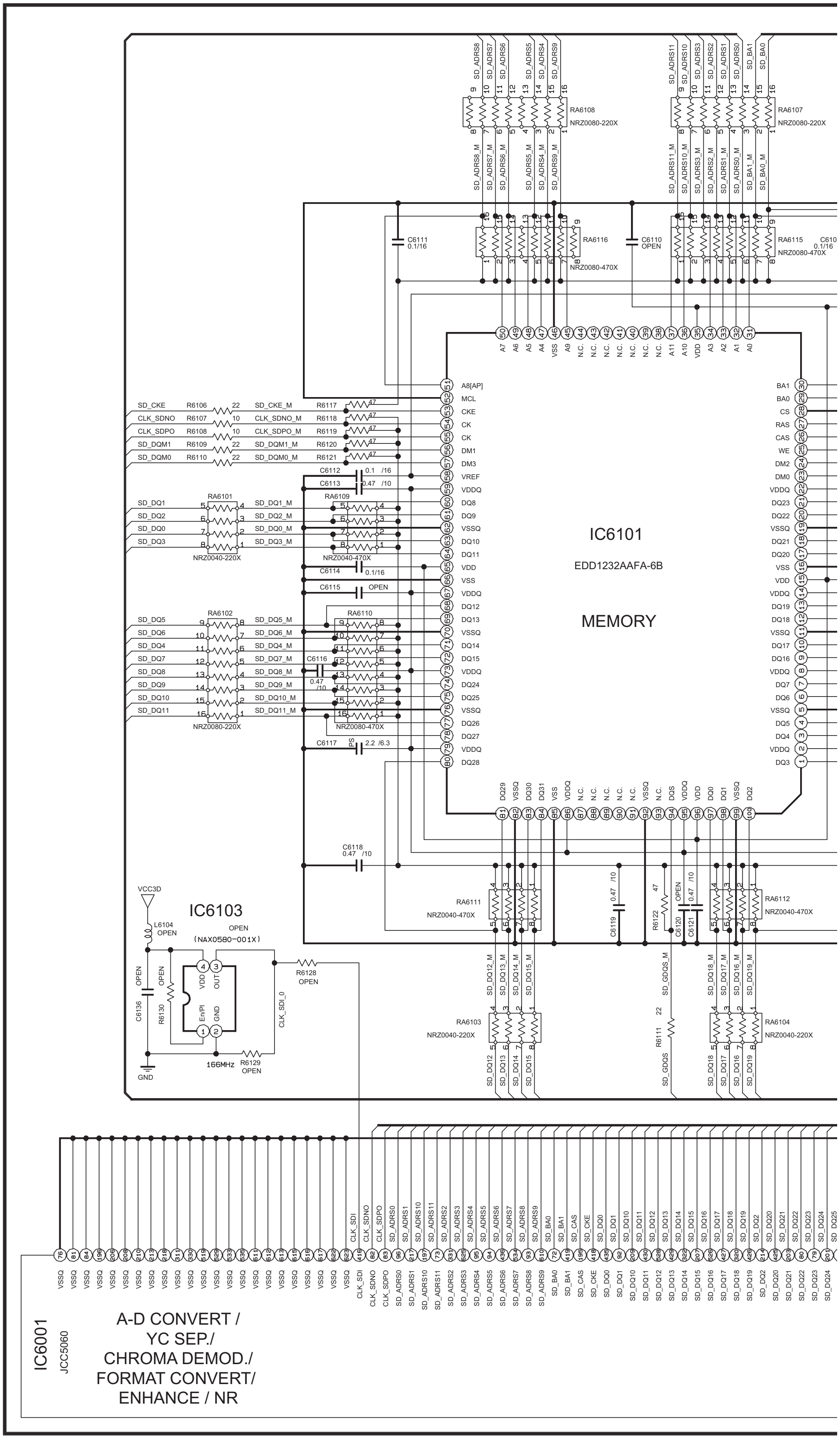
NOTE.

*1:NQR0498-001X
*2:NQR0489-002X
*4:MA111-X
RA0:NRZ0034-0R0W
PNP:2SA1530A/QR/-X
NPN:2SC3928A/QR/-X
L10:NQL79GM-100X
L22:NQL79GM-220X


VCC3D
IC6721
OPEN
(SN74LVC2G126T-X)
R6726
OPEN
1 1OE
2 1A
3 2Y
4 GND
8 Vcc
7 2OE
6 1Y
5 2A
R6724
OPEN
GND
C6721
OPEN
R6725
OPEN
IC6722
1 OE
2 IN
3 GND
5 Vcc
4 OUT
R6727
OPEN
(SN74LVC1G126V-X)
OPEN
F3
C6722
OPEN
GND

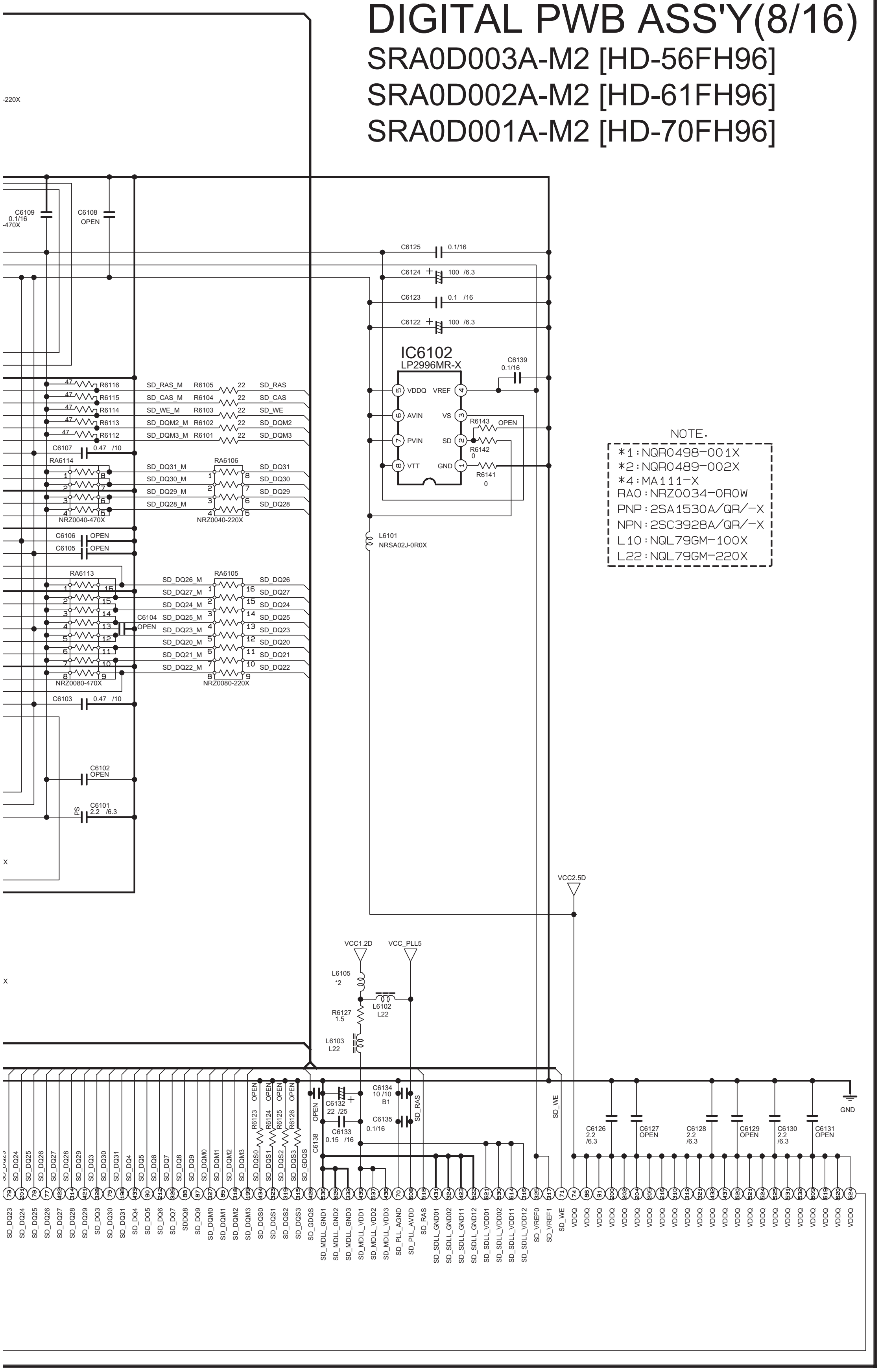
c10431005_0930_5/17_0.0

DIGITAL PWB CIRCUIT DIAGRAM (8/16) [DDR BLOCK] SHEET 16


IC6101
EDD1232AAFA-6B
MEMORY
IC6103
(NAX0580-001X)
OPEN
VDD
OUT
En/PI
GND
166MHz
CLK_SDI_0
VCC3D
L6104 OPEN
C6136 OPEN
R6130 OPEN
R6128 OPEN
R6129 OPEN
GND
RA6108 NRZ0080-220X
RA6107 NRZ0080-220X
RA6116 NRZ0080-470X
RA6115 NRZ0080-470X
C6111 0.1/16
C6110 OPEN
RA6101 NRZ0040-220X
RA6109 NRZ0040-470X
RA6102 NRZ0080-220X
RA6110 NRZ0080-470X
RA6111 NRZ0040-470X
RA6112 NRZ0040-470X
RA6103 NRZ0040-220X
RA6104 NRZ0040-220X
R6106 22
R6107 10
R6108 10
R6109 22
R6110 22
R6117 47
R6118 47
R6119 47
R6120 47
R6121 47
C6112 0.1 /16
C6113 0.47 /10
C6114 0.1/16
C6115 OPEN
C6116 0.47 /10
C6117 2.2 /6.3
C6118 0.47 /10
C6119 0.47 /10
R6122 47
C6120 OPEN
C6121 0.47 /10
R6111 22
SD_CKE
CLK_SDNO
CLK_SDPO
SD_DQM1
SD_DQM0
SD_CKE_M
CLK_SDNO_M
CLK_SDPO_M
SD_DQM1_M
SD_DQM0_M
SD_DQ0 – SD_DQ19
SD_DQ0_M – SD_DQ19_M
SD_ADRS0 – SD_ADRS11
SD_ADRS0_M – SD_ADRS11_M
SD_BA0
SD_BA1
SD_BA0_M
SD_BA1_M
SD_GDQS
SD_GDQS_M
A8[AP]
MCL
CKE
CK
DM1
DM3
VREF
VDDQ
VSSQ
VDD
VSS
DQ0 – DQ31
DQS
N.C.
A0 – A11
BA0
BA1
CS
RAS
CAS
WE
DM2
DM0
IC6001
JCC5060
A-D CONVERT /
YC SEP./
CHROMA DEMOD./
FORMAT CONVERT/
ENHANCE / NR
CLK_SDI
SD_CAS
SD_CKE

DIGITAL PWB ASS'Y(8/16)

SRA0D003A-M2 [HD-56FH96]
SRA0D002A-M2 [HD-61FH96]
SRA0D001A-M2 [HD-70FH96]

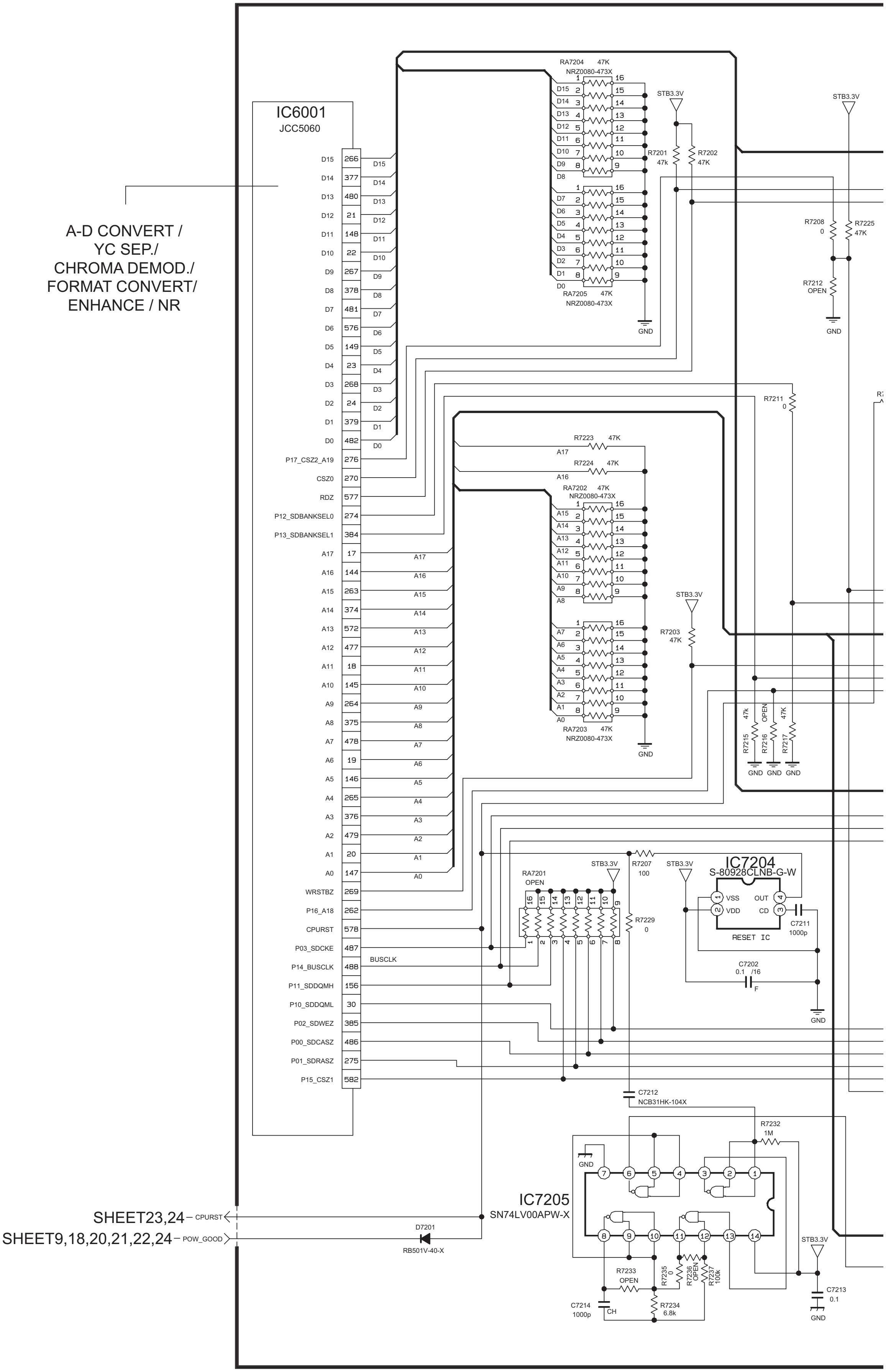


C6109 0.1/16
C6108 OPEN
C6125 0.1/16
C6124 100 /6.3
C6123 0.1 /16
C6122 100 /6.3
IC6102
LP2996MR-X
VDDQ
VREF
AVIN
VS
PVIN
SD
VTT
GND
C6139 0.1/16
R6143 OPEN
R6142 0
R6141 0
L6101 NRSA02J-0R0X
R6116 R6115 R6114 R6113 R6112 47
SD_RAS_M SD_CAS_M SD_WE_M SD_DQM2_M SD_DQM3_M
R6105 R6104 R6103 R6102 R6101 22
SD_RAS SD_CAS SD_WE SD_DQM2 SD_DQM3
C6107 0.47 /10
RA6114 NRZ0040-470X
RA6106 NRZ0040-220X
SD_DQ31 SD_DQ30 SD_DQ29 SD_DQ28
C6106 OPEN
C6105 OPEN
RA6113 NRZ0080-470X
RA6105 NRZ0080-220X
C6104 OPEN
SD_DQ26 SD_DQ27 SD_DQ24 SD_DQ25 SD_DQ23 SD_DQ20 SD_DQ21 SD_DQ22
C6103 0.47 /10
C6102 OPEN
C6101 2.2 /6.3
VCC2.5D
VCC1.2D
VCC_PLL5
L6105 *2
L6102 L22
R6127 1.5
L6103 L22
R6123 R6124 R6125 R6126 OPEN
C6138 OPEN
C6132 22 /25
C6133 0.15 /16
C6134 10 /10 B1
C6135 0.1/16
C6126 2.2 /6.3
C6127 OPEN
C6128 2.2 /6.3
C6129 OPEN
C6130 2.2 /6.3
C6131 OPEN
GND
SD_DQS0 SD_DQS1 SD_DQS2 SD_DQS3 SD_GDQS
SD_MDLL_GND1 SD_MDLL_GND2 SD_MDLL_GND3 SD_MDLL_VDD1 SD_MDLL_VDD2 SD_MDLL_VDD3
SD_PLL_AGND SD_PLL_AVDD SD_RAS
SD_SDLL_GND01 SD_SDLL_GND02 SD_SDLL_GND11 SD_SDLL_GND12
SD_SDLL_VDD01 SD_SDLL_VDD02 SD_SDLL_VDD11 SD_SDLL_VDD12
SD_VREF0 SD_VREF1 SD_WE VDDQ
SD_DQM0 SD_DQM1 SD_DQM2 SD_DQM3 SDDQ8 SD_DQ9

NOTE.

*1:NQR0498-001X
*2:NQR0489-002X
*4:MA111-X
RA0:NRZ0034-0R0W
PNP:2SA1530A/QR/-X
NPN:2SC3928A/QR/-X
L10:NQL79GM-100X
L22:NQL79GM-220X

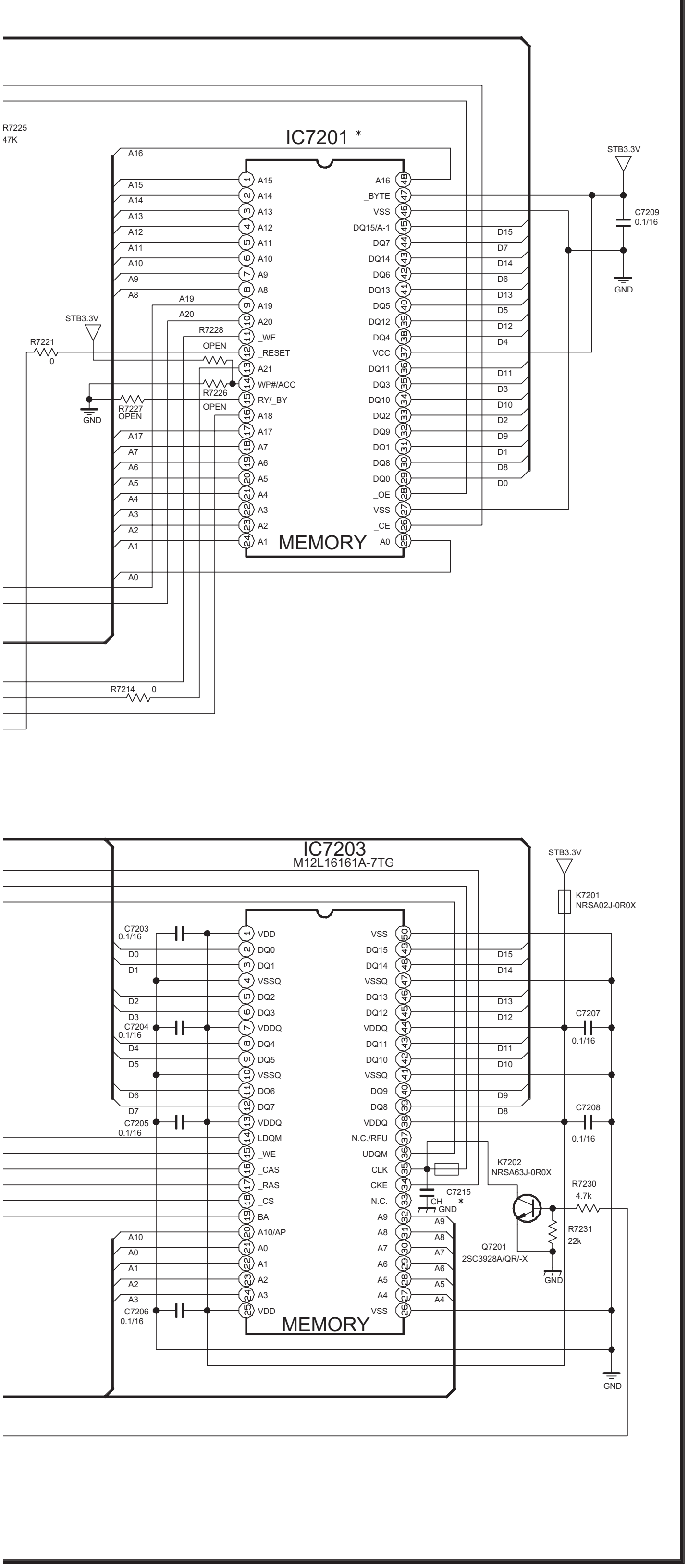
DIGITAL PWB CIRCUIT DIAGRAM (9/16) [FLASH MEMORY BLOCK] SHEET 17



A-D CONVERT /
YC SEP./
CHROMA DEMOD./
FORMAT CONVERT/
ENHANCE / NR
IC6001
JCC5060
D15 266
D14 377
D13 480
D12 21
D11 148
D10 22
D9 267
D8 378
D7 481
D6 576
D5 149
D4 23
D3 268
D2 24
D1 379
D0 482
P17_CSZ2_A19 276
CSZ0 270
RDZ 577
P12_SDBANKSEL0 274
P13_SDBANKSEL1 384
A17 17
A16 144
A15 263
A14 374
A13 572
A12 477
A11 18
A10 145
A9 264
A8 375
A7 478
A6 19
A5 146
A4 265
A3 376
A2 479
A1 20
A0 147
WRSTBZ 269
P16_A18 262
CPURST 578
P03_SDCKE 487
P14_BUSCLK 488
P11_SDDQMH 156
P10_SDDQML 30
P02_SDWEZ 385
P00_SDCASZ 486
P01_SDRASZ 275
P15_CSZ1 582
BUSCLK
RA7204 47K
NRZ0080-473X
RA7205 47K
NRZ0080-473X
RA7202 47K
NRZ0080-473X
RA7203 47K
NRZ0080-473X
RA7201
OPEN
STB3.3V
R7201
47k
R7202
47K
R7208
0
R7225
47K
R7212
OPEN
GND
R7211
0
R7223 47K
R7224 47K
R7203
47K
R7215
47k
R7216
OPEN
R7217
47K
R7207
100
R7229
0
IC7204
S-80928CLNB-G-W
VSS
VDD
OUT
CD
RESET IC
C7211
1000p
C7202
0.1 /16
F
C7212
NCB31HK-104X
R7232
1M
IC7205
SN74LV00APW-X
R7233
OPEN
R7235
0
R7236
OPEN
R7237
100k
R7234
6.8k
C7214
1000p
CH
C7213
0.1
SHEET23,24
CPURST
SHEET9,18,20,21,22,24
POW_GOOD
D7201
RB501V-40-X

* DIFFERENCE LIST

ASSY NO.	SRA -0D001A	SRA -0D002A	SRA -0D003A	SRA -0D004A	SRA -0D005A	SRA -0D006A
	OLLC08608	OLLC08608 -02	OLLC08608 -03	OLLC08609	OLLC08609 -02	OLLC08609 -03
IC7201	39VF800A7 IEKD05	39VF800A7 IEKD04	39VF800A7 IEKD03	39VF800A7 IEKD08	39VF800A7 IEKD07	39VF800A7 IEKD06
C7215	QCS31HJ -330Z	QCS31HJ -330Z	QCS31HJ -330Z	OPEN	OPEN	OPEN


V
R7225
47K
IC7201 *
MEMORY
A16
A15
A14
A13
A12
A11
A10
A9
A8
A19
A20
_WE
_RESET
A21
WP#/ACC
RY/_BY
A18
A17
A7
A6
A5
A4
A3
A2
A1
A0
_BYTE
VSS
DQ15/A-1
VCC
_OE
_CE
STB3.3V
R7221
0
R7228
OPEN
R7226
OPEN
R7227
OPEN
GND
C7209
0.1/16
R7214 0
D0
D1
D2
D3
D4
D5
D6
D7
D8
D9
D10
D11
D12
D13
D14
D15
IC7203
M12L16161A-7TG
VDD
VSSQ
VDDQ
LDQM
UDQM
_WE
_CAS
_RAS
_CS
CLK
CKE
N.C.
N.C./RFU
BA
A10/AP
C7203
0.1/16
C7204
0.1/16
C7205
0.1/16
C7206
0.1/16
C7207
0.1/16
C7208
0.1/16
K7201
NRSA02J-0R0X
K7202
NRSA63J-0R0X
C7215 *
CH
Q7201
2SC3928A/QR/-X
R7230
4.7k
R7231
22k

NOTE.

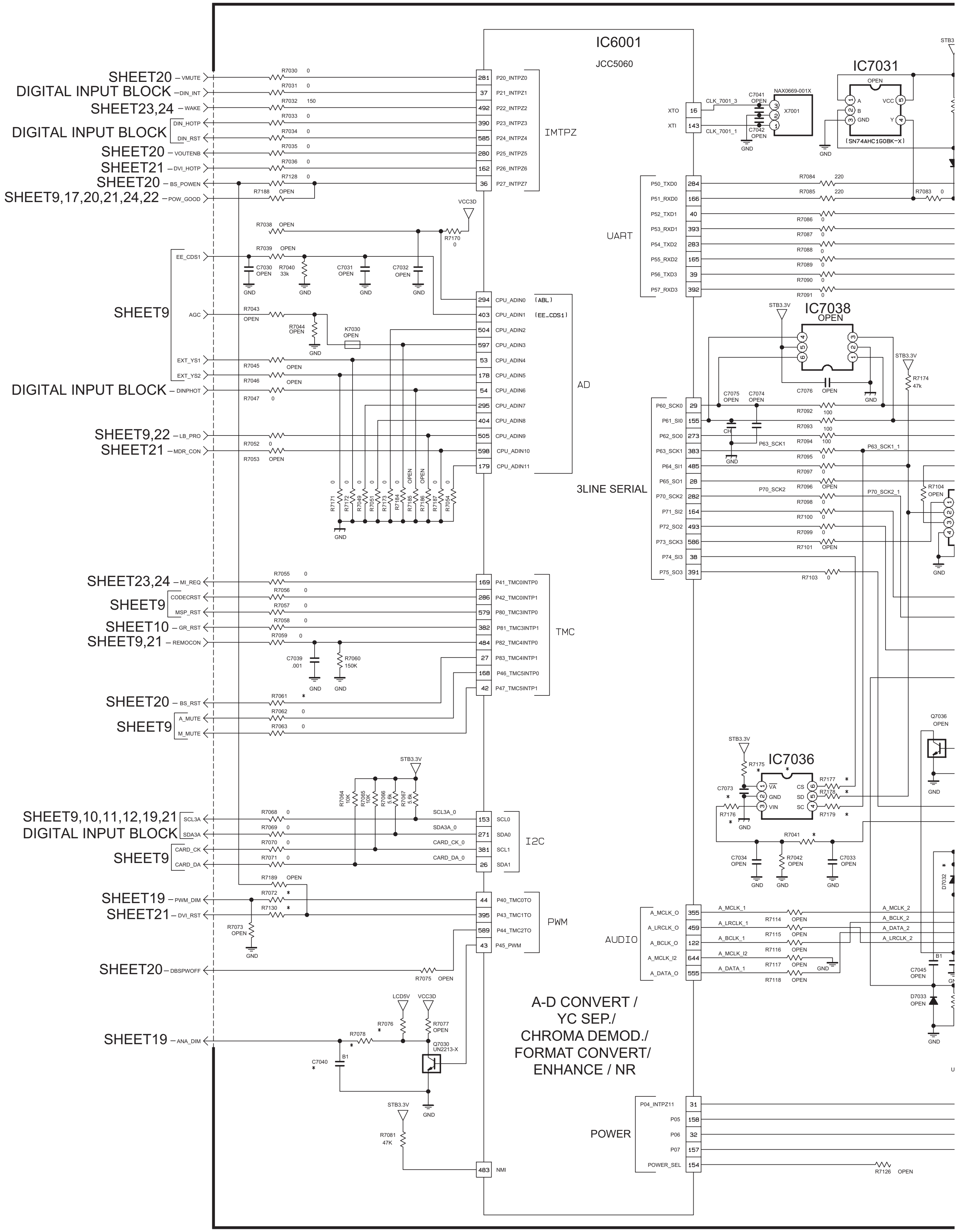
*1:NQR0498-001X
*2:NQR0489-002X
*4:MA111-X
RA0:NRZ0034-0R0W
PNP:2SA1530A/QR/-X
NPN:2SC3928A/QR/-X
L10:NQL79GM-100X
L22:NQL79GM-220X

DIGITAL PWB ASS'Y(9/16)

SRA0D003A-M2 [HD-56FH96]
SRA0D002A-M2 [HD-61FH96]
SRA0D001A-M2 [HD-70FH96]

c10431008_0930_8/17_0.0

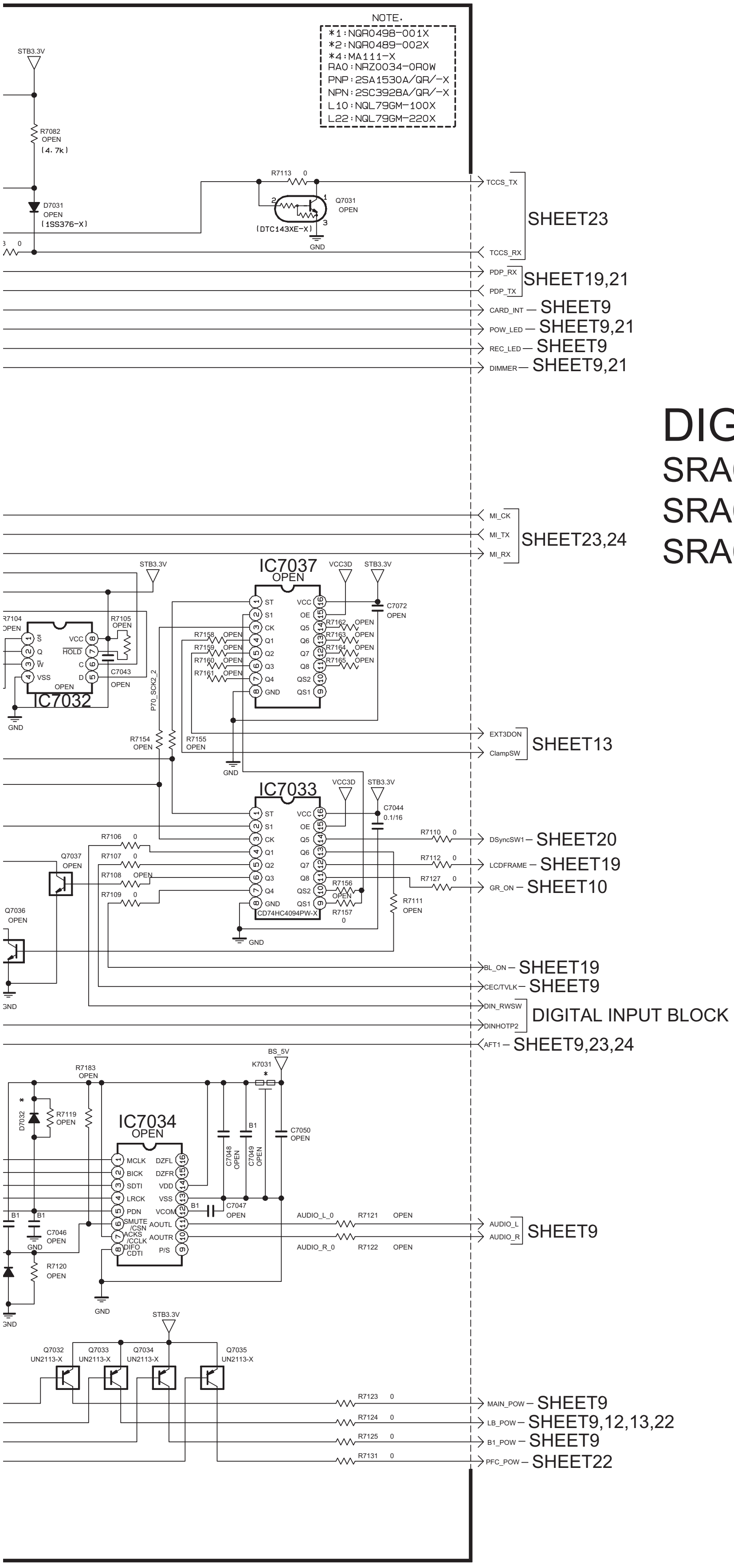
DIGITAL PWB CIRCUIT DIAGRAM (10/16) [ADRIA INTERFACE BLOCK] SHEET 18



IC6001
JCC5060
SHEET20
VMUTE
DIGITAL INPUT BLOCK
DIN_INT
SHEET23,24
WAKE
DIGITAL INPUT BLOCK
DIN_HOTP
DIN_RST
SHEET20
VOUTENB
SHEET21
DVI_HOTP
SHEET20
BS_POWEN
SHEET9,17,20,21,24,22
POW_GOOD
R7030 0
R7031 0
R7032 150
R7033 0
R7034 0
R7035 0
R7036 0
R7128 0
R7188 OPEN
281 P20_INTPZ0
37 P21_INTPZ1
492 P22_INTPZ2
390 P23_INTPZ3
585 P24_INTPZ4
280 P25_INTPZ5
162 P26_INTPZ6
36 P27_INTPZ7
IMTPZ
VCC3D
R7038 OPEN
R7039 OPEN
R7170 0
EE_CDS1
C7030 OPEN
R7040 33k
C7031 OPEN
C7032 OPEN
GND
SHEET9
AGC
R7043 OPEN
R7044 OPEN
K7030 OPEN
EXT_YS1
EXT_YS2
R7045 OPEN
R7046 OPEN
DIGITAL INPUT BLOCK
DINPHOT
R7047 0
SHEET9,22
LB_PRO
SHEET21
MDR_CON
R7052 0
R7053 OPEN
294 CPU_ADIN0 (ABL)
403 CPU_ADIN1 (EE_CDS1)
504 CPU_ADIN2
597 CPU_ADIN3
53 CPU_ADIN4
178 CPU_ADIN5
54 CPU_ADIN6
295 CPU_ADIN7
404 CPU_ADIN8
505 CPU_ADIN9
598 CPU_ADIN10
179 CPU_ADIN11
AD
R7171 R7172 R7049 R7051 R7173 R7184 R7185 R7186 R7187 R7054
SHEET23,24
MI_REQ
SHEET9
CODECRST
MSP_RST
SHEET10
GR_RST
SHEET9,21
REMOCON
R7055 0
R7056 0
R7057 0
R7058 0
R7059 0
C7039 .001
R7060 150K
169 P41_TMC0INTP0
286 P42_TMC0INTP1
579 P80_TMC3INTP0
382 P81_TMC3INTP1
484 P82_TMC4INTP0
27 P83_TMC4INTP1
168 P46_TMC5INTP0
42 P47_TMC5INTP1
TMC
SHEET20
BS_RST
SHEET9
A_MUTE
M_MUTE
R7061 *
R7062 0
R7063 0
STB3.3V
R7064 10K
R7065 10K
R7066 5.6k
R7067 5.6k
SHEET9,10,11,12,19,21
DIGITAL INPUT BLOCK
SCL3A
SDA3A
SHEET9
CARD_CK
CARD_DA
R7068 0
R7069 0
R7070 0
R7071 0
SCL3A_0
SDA3A_0
CARD_CK_0
CARD_DA_0
153 SCL0
271 SDA0
381 SCL1
26 SDA1
I2C
R7189 OPEN
SHEET19
PWM_DIM
SHEET21
DVI_RST
R7072 *
R7130 *
R7073 OPEN
44 P40_TMC0TO
395 P43_TMC1TO
589 P44_TMC2TO
43 P45_PWM
PWM
SHEET20
DBSPWOFF
R7075 OPEN
LCD5V
VCC3D
R7076 *
R7077 OPEN
R7078 *
Q7030 UN2213-X
SHEET19
ANA_DIM
C7040 *
B1
STB3.3V
R7081 47K
483 NMI
A-D CONVERT / YC SEP./ CHROMA DEMOD./ FORMAT CONVERT/ ENHANCE / NR
XTO 16
XTI 143
CLK_7001_3
CLK_7001_1
C7041 OPEN
C7042 OPEN
NAX0669-001X
X7001
IC7031
OPEN
A B GND VCC Y
(SN74AHC1G08K-X)
STB3
UART
284 P50_TXD0
166 P51_RXD0
40 P52_TXD1
393 P53_RXD1
283 P54_TXD2
165 P55_RXD2
39 P56_TXD3
392 P57_RXD3
R7084 220
R7085 220
R7083 0
R7086 0
R7087 0
R7088 0
R7089 0
R7090 0
R7091 0
IC7038
OPEN
STB3.3V
C7075 OPEN
C7074 OPEN
C7076 OPEN
R7174 47k
CH
3LINE SERIAL
29 P60_SCK0
155 P61_SI0
273 P62_SO0
383 P63_SCK1
485 P64_SI1
28 P65_SO1
282 P70_SCK2
164 P71_SI2
493 P72_SO2
586 P73_SCK3
38 P74_SI3
391 P75_SO3
R7092 100
R7093 100
R7094 100
R7095 0
R7097 0
R7096 OPEN
R7098 0
R7100 0
R7099 0
R7101 OPEN
R7103 0
P63_SCK1
P63_SCK1_1
P70_SCK2
P70_SCK2_1
R7104 OPEN
Q7036 OPEN
IC7036
STB3.3V
R7175 *
C7073 *
R7176 *
VA GND VIN CS SD SC
R7177 *
R7178 *
R7179 *
R7041 *
C7034 OPEN
R7042 OPEN
C7033 OPEN
AUDIO
355 A_MCLK_O
459 A_LRCLK_O
122 A_BCLK_O
644 A_MCLK_I2
555 A_DATA_O
A_MCLK_1
A_LRCLK_1
A_BCLK_1
A_MCLK_I2
A_DATA_1
R7114 OPEN
R7115 OPEN
R7116 OPEN
R7117 OPEN
R7118 OPEN
A_MCLK_2
A_BCLK_2
A_DATA_2
A_LRCLK_2
D7032 *
B1
C7045 OPEN
D7033 OPEN
POWER
31 P04_INTPZ11
158 P05
32 P06
157 P07
154 POWER_SEL
R7126 OPEN

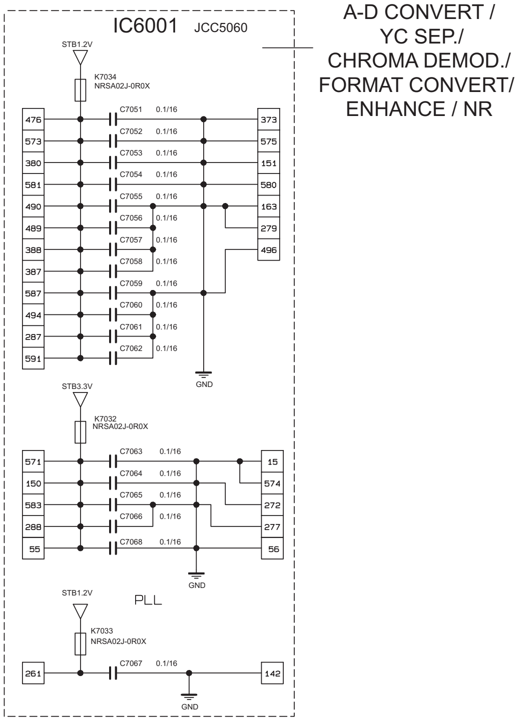
* DIFFERENCE LIST

ASSY NO.	SRA -0D001A	SRA -0D002A	SRA -0D003A	SRA -0D004A	SRA -0D005A	SRA -0D006A
	OLLC08608	OLLC08608 -02	OLLC08608 -03	OLLC08609	OLLC08609 -02	OLLC08609 -03
IC7036	ADC081S 021CIS-X	ADC081S 021CIS-X	ADC081S 021CIS-X	OPEN	OPEN	OPEN
D7032	OPEN	OPEN	OPEN	*4	*4	*4
K7031	OPEN	OPEN	OPEN	NQR0470 -007X	NQR0470 -007X	NQR0470 -007X
R7041	22k	22k	22k	OPEN	OPEN	OPEN
R7061	0	0	0	OPEN	OPEN	OPEN
R7175	0	0	0	OPEN	OPEN	OPEN
R7176	0	0	0	OPEN	OPEN	OPEN
R7177	0	0	0	OPEN	OPEN	OPEN
R7178	0	0	0	OPEN	OPEN	OPEN
R7179	0	0	0	OPEN	OPEN	OPEN
C7073	0.1/16	0.1/16	0.1/16	OPEN	OPEN	OPEN
C7040	OPEN	OPEN	OPEN	10/10	10/10	10/10
R7072	OPEN	OPEN	OPEN	0	0	0
R7076	OPEN	OPEN	OPEN	1k	1k	1k
R7078	OPEN	OPEN	OPEN	1k	1k	1k
R7130	OPEN	OPEN	OPEN	0	0	0

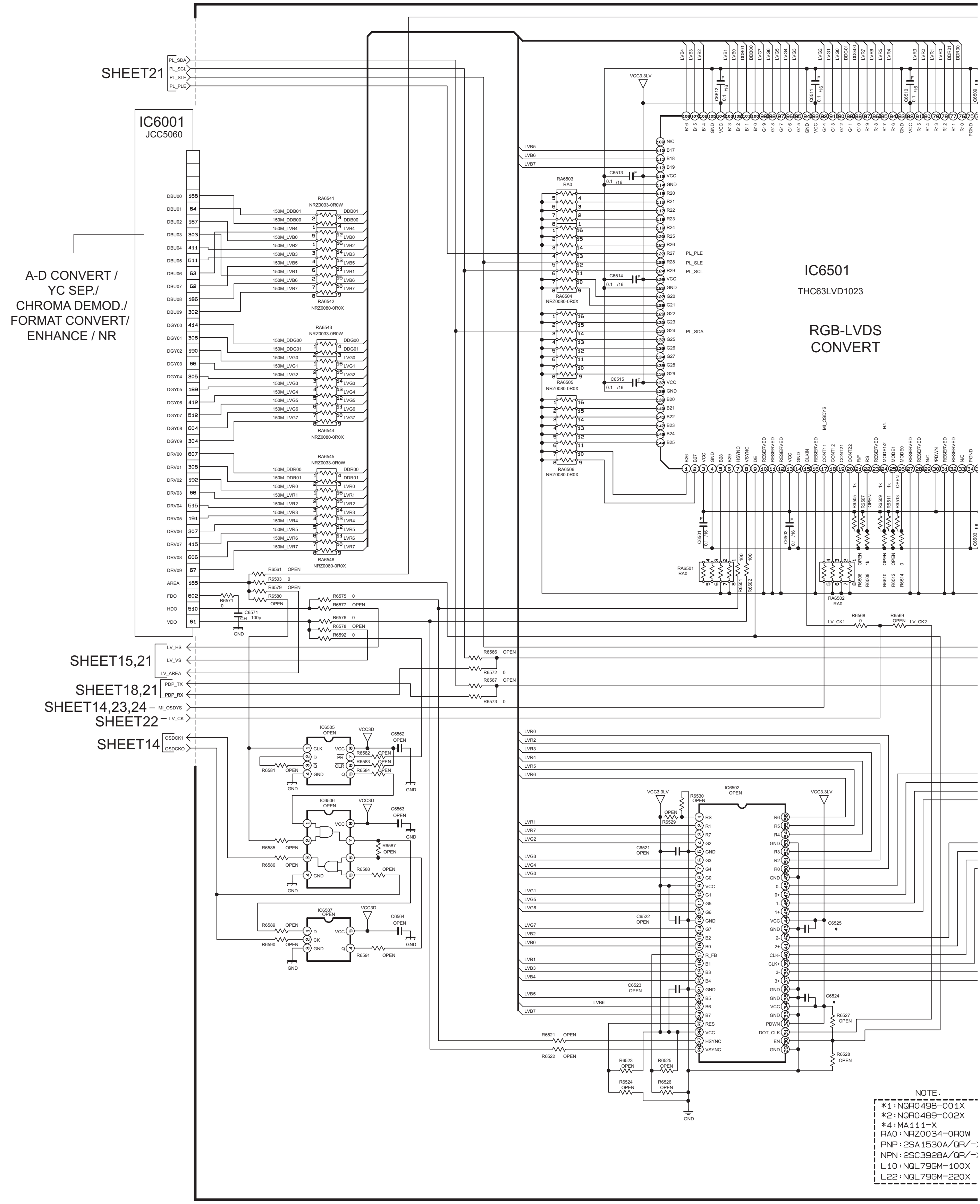

NOTE.
*1:NQR0498-001X
*2:NQR0489-002X
*4:MA111-X
RA0:NRZ0034-0R0W
PNP:2SA1530A/QR/-X
NPN:2SC3928A/QR/-X
L10:NQL79GM-100X
L22:NQL79GM-220X
STB3.3V
R7082 OPEN (4.7k)
D7031 OPEN (1SS376-X)
R7113 0
Q7031 OPEN
(DTC143XE-X)
GND
TCCS_TX
TCCS_RX
SHEET23
PDP_RX
PDP_TX
SHEET19,21
CARD_INT
SHEET9
POW_LED
SHEET9,21
REC_LED
SHEET9
DIMMER
SHEET9,21
MI_CK
MI_TX
MI_RX
SHEET23,24
IC7037
OPEN
VCC3D
C7072 OPEN
R7158 OPEN
R7159 OPEN
R7160 OPEN
R7161 OPEN
R7162 OPEN
R7163 OPEN
R7164 OPEN
R7165 OPEN
ST S1 CK Q1 Q2 Q3 Q4 GND
VCC OE Q5 Q6 Q7 Q8 QS2 QS1
R7104 OPEN
R7105 OPEN
IC7032
VCC HOLD C D VSS Q W
C7043 OPEN
P70_SCK2_2
R7154 OPEN
R7155 OPEN
EXT3DON
ClampSW
SHEET13
IC7033
C7044 0.1/16
R7106 0
R7107 0
R7108 OPEN
R7109 0
Q7037 OPEN
Q7036 OPEN
R7156 OPEN
R7157 0
R7111 OPEN
CD74HC4094PW-X
R7110 0
DSyncSW1
SHEET20
R7112 0
LCDFRAME
SHEET19
R7127 0
GR_ON
SHEET10
BL_ON
SHEET19
CEC/TVLK
SHEET9
DIN_RWSW
DINHOTP2
DIGITAL INPUT BLOCK
AFT1
SHEET9,23,24
BS_5V
K7031
R7183 OPEN
D7032
R7119 OPEN
IC7034
OPEN
MCLK BICK SDTI LRCK PDN SMUTE /CSN ACKS /CCLK DIFO CDTI
DZFL DZFR VDD VSS VCOM AOUTL AOUTR P/S
C7048 OPEN
C7049 OPEN
C7050 OPEN
B1
C7047 OPEN
C7046 OPEN
R7120 OPEN
AUDIO_L_0
R7121 OPEN
AUDIO_R_0
R7122 OPEN
AUDIO_L
AUDIO_R
SHEET9
Q7032 UN2113-X
Q7033 UN2113-X
Q7034 UN2113-X
Q7035 UN2113-X
R7123 0
MAIN_POW
SHEET9
R7124 0
LB_POW
SHEET9,12,13,22
R7125 0
B1_POW
SHEET9
R7131 0
PFC_POW
SHEET22

DIGITAL PWB ASS'Y(10/16)

SRA0D003A-M2 [HD-56FH96]
SRA0D002A-M2 [HD-61FH96]
SRA0D001A-M2 [HD-70FH96]

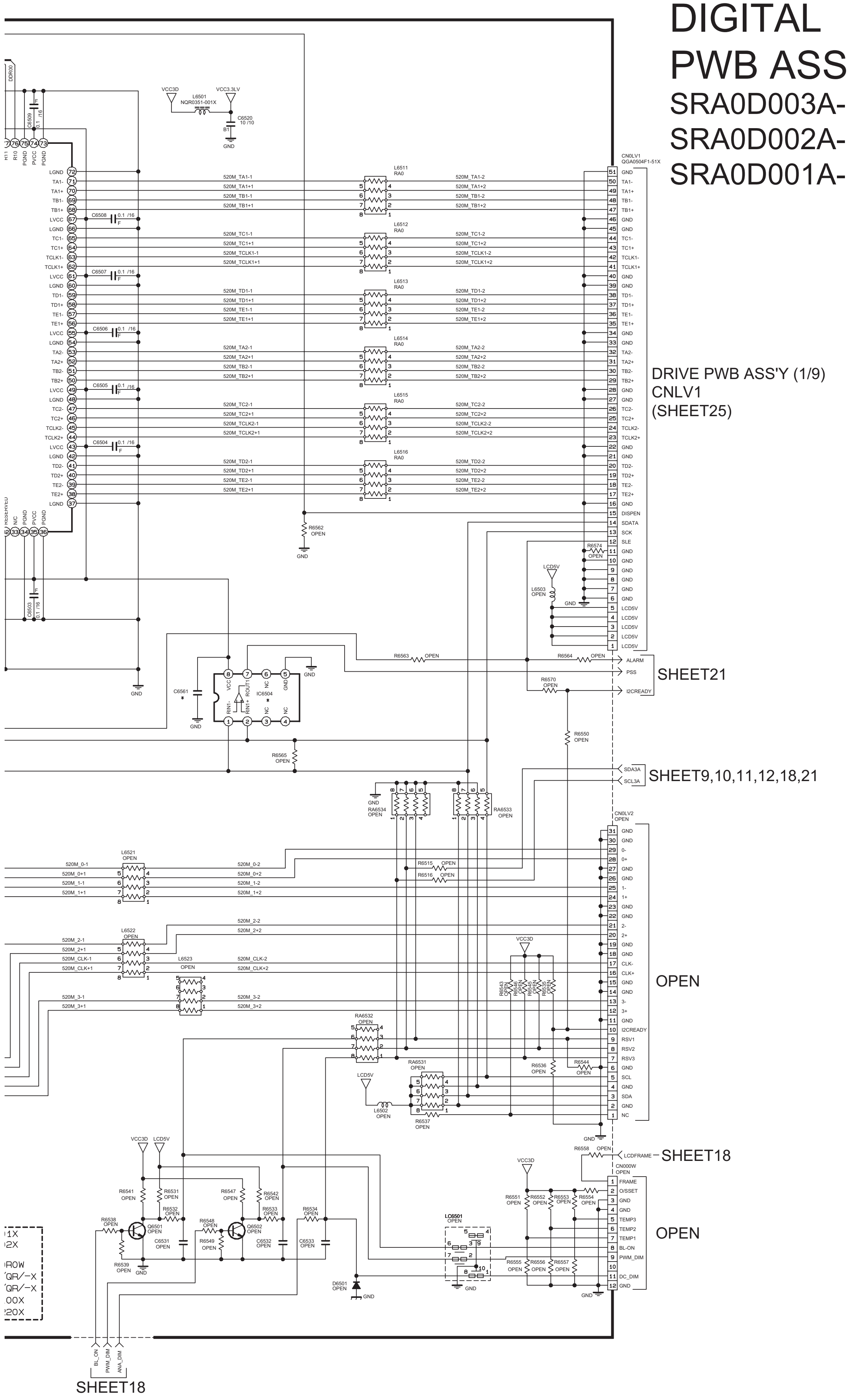

IC6001 JCC5060
A-D CONVERT /
YC SEP./
CHROMA DEMOD./
FORMAT CONVERT/
ENHANCE / NR
STB1.2V
K7034 NRSA02J-0R0X
C7051 0.1/16
C7052 0.1/16
C7053 0.1/16
C7054 0.1/16
C7055 0.1/16
C7056 0.1/16
C7057 0.1/16
C7058 0.1/16
C7059 0.1/16
C7060 0.1/16
C7061 0.1/16
C7062 0.1/16
476 573 380 581 490 489 388 387 587 494 287 591
373 575 151 580 163 279 496
GND
STB3.3V
K7032 NRSA02J-0R0X
C7063 0.1/16
C7064 0.1/16
C7065 0.1/16
C7066 0.1/16
C7068 0.1/16
571 150 583 288 55
15 574 272 277 56
PLL
K7033 NRSA02J-0R0X
C7067 0.1/16
261
142

DIGITAL PWB CIRCUIT DIAGRAM (11/16) [LVDS BLOCK] SHEET 19


SHEET21
PL_SDA
PL_SCL
PL_SLE
PL_PLE
IC6001
JCC5060
A-D CONVERT /
YC SEP./
CHROMA DEMOD./
FORMAT CONVERT/
ENHANCE / NR
DBU00
DBU01
DBU02
DBU03
DBU04
DBU05
DBU06
DBU07
DBU08
DBU09
DGY00
DGY01
DGY02
DGY03
DGY04
DGY05
DGY06
DGY07
DGY08
DGY09
DRV00
DRV01
DRV02
DRV03
DRV04
DRV05
DRV06
DRV07
DRV08
DRV09
AREA
FDO
HDO
VDO
RA6541
NRZ0033-0R0W
RA6542
NRZ0080-0R0X
RA6543
NRZ0033-0R0W
RA6544
NRZ0080-0R0X
RA6545
NRZ0033-0R0W
RA6546
NRZ0080-0R0X
RA6503
RA0
RA6504
NRZ0080-0R0X
RA6505
NRZ0080-0R0X
RA6506
NRZ0080-0R0X
VCC3.3LV
IC6501
THC63LVD1023
RGB-LVDS
CONVERT
C6513
C6514
C6515
C6512
C6511
C6510
C6501
C6502
RA6501
RA0
RA6502
RA0
R6568
R6569
LV_CK1
LV_CK2
R6561 OPEN
R6503 0
R6579 OPEN
R6580 OPEN
R6571 0
C6571 100p
R6575 0
R6577 OPEN
R6576 0
R6578 OPEN
R6592 0
R6566 OPEN
R6572 0
R6567 OPEN
R6573 0
SHEET15,21
LV_HS
LV_VS
LV_AREA
SHEET18,21
PDP_TX
PDP_RX
SHEET14,23,24
MI_OSDYS
SHEET22
LV_CK
SHEET14
OSDCK1
OSDCKO
IC6505 OPEN
IC6506 OPEN
IC6507 OPEN
VCC3D
C6562 OPEN
C6563 OPEN
C6564 OPEN
R6581 OPEN
R6582 OPEN
R6583 OPEN
R6584 OPEN
R6585 OPEN
R6586 OPEN
R6587 OPEN
R6588 OPEN
R6589 OPEN
R6590 OPEN
R6591 OPEN
GND
IC6502 OPEN
R6530 OPEN
R6529 OPEN
C6521 OPEN
C6522 OPEN
C6523 OPEN
C6524
C6525
R6527 OPEN
R6528 OPEN
R6521 OPEN
R6522 OPEN
R6523 OPEN
R6524 OPEN
R6525 OPEN
R6526 OPEN
NOTE.
*1:NQR0498-001X
*2:NQR0489-002X
*4:MA111-X
RA0:NRZ0034-0R0W
PNP:2SA1530A/QR/-
NPN:2SC3928A/QR/-
L10:NQL79GM-100X
L22:NQL79GM-220X

DIGITAL
PWB ASS'Y(11/16)

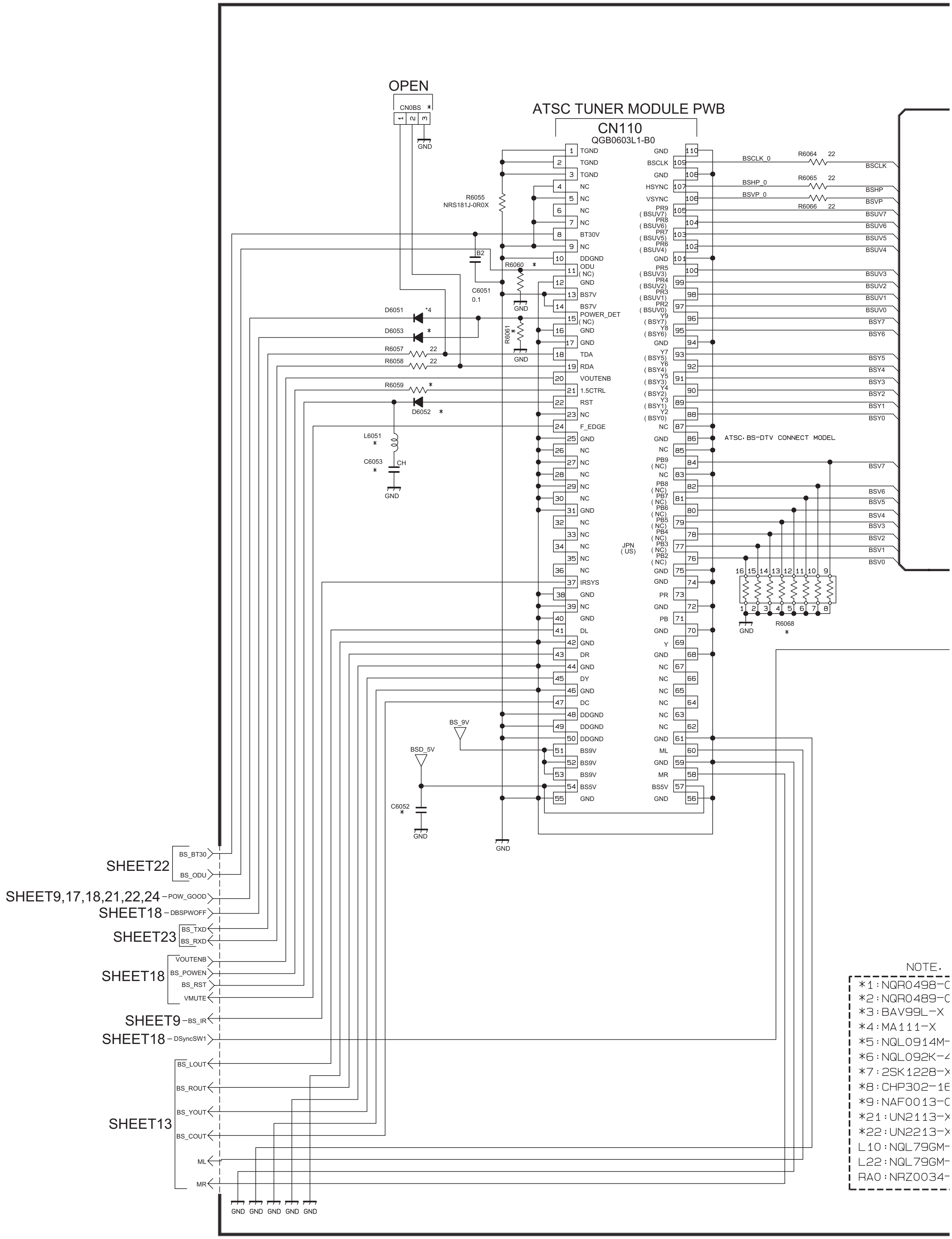
SRA0D003A-M2 [HD-56FH96]
SRA0D002A-M2 [HD-61FH96]
SRA0D001A-M2 [HD-70FH96]



DDRX0
C6509 0.1 /16
VCC3D
VCC3.3LV
L6501 NQR0351-001X
C6520 10 /10
GND
LGND 72
TA1- 71
TA1+ 70
TB1- 69
TB1+ 68
LVCC 67
LGND 66
TC1- 65
TC1+ 64
TCLK1- 63
TCLK1+ 62
LVCC 61
LGND 60
TD1- 59
TD1+ 58
TE1- 57
TE1+ 56
LVCC 55
LGND 54
TA2- 53
TA2+ 52
TB2- 51
TB2+ 50
LVCC 49
LGND 48
TC2- 47
TC2+ 46
TCLK2- 45
TCLK2+ 44
LVCC 43
LGND 42
TD2- 41
TD2+ 40
TE2- 39
TE2+ 38
LGND 37
C6508 0.1 /16 F
C6507 0.1 /16 F
C6506 0.1 /16 F
C6505 0.1 /16 F
C6504 0.1 /16 F
L6511 RA0
L6512 RA0
L6513 RA0
L6514 RA0
L6515 RA0
L6516 RA0
520M_TA1-1
520M_TA1+1
520M_TB1-1
520M_TB1+1
520M_TA1-2
520M_TA1+2
520M_TB1-2
520M_TB1+2
520M_TC1-1
520M_TC1+1
520M_TCLK1-1
520M_TCLK1+1
520M_TD1-1
520M_TD1+1
520M_TE1-1
520M_TE1+1
520M_TA2-1
520M_TA2+1
520M_TB2-1
520M_TB2+1
520M_TC2-1
520M_TC2+1
520M_TCLK2-1
520M_TCLK2+1
520M_TD2-1
520M_TD2+1
520M_TE2-1
520M_TE2+1
CN0LV1 QGA0504F1-51X
DRIVE PWB ASS'Y (1/9)
CNLV1
(SHEET25)
R6562 OPEN
R6574 OPEN
LCD5V
L6503 OPEN
C6503 0.1 /16
C6561
IC6504
R6563 OPEN
R6564 OPEN
R6570 OPEN
ALARM
PSS
I2CREADY
SHEET21
R6550 OPEN
R6565 OPEN
SDA3A
SCL3A
SHEET9,10,11,12,18,21
RA6534 OPEN
RA6533 OPEN
CN0LV2 OPEN
L6521 OPEN
L6522 OPEN
L6523 OPEN
520M_0-1
520M_0+1
520M_1-1
520M_1+1
520M_2-1
520M_2+1
520M_CLK-1
520M_CLK+1
520M_3-1
520M_3+1
R6515 OPEN
R6516 OPEN
RA6532 OPEN
RA6531 OPEN
L6502 OPEN
R6537 OPEN
R6536 OPEN
R6544 OPEN
OPEN
R6558 OPEN
LCDFRAME
SHEET18
CN000W OPEN
FRAME
O/SSET
TEMP3
TEMP2
TEMP1
BL-ON
PWM_DIM
DC_DIM
R6551 OPEN
R6552 OPEN
R6553 OPEN
R6554 OPEN
R6555 OPEN
R6556 OPEN
R6557 OPEN
LC6501 OPEN
D6501 OPEN
Q6501 OPEN
Q6502 OPEN
R6541 OPEN
R6531 OPEN
R6532 OPEN
R6538 OPEN
R6539 OPEN
C6531 OPEN
R6547 OPEN
R6542 OPEN
R6548 OPEN
R6549 OPEN
R6533 OPEN
C6532 OPEN
R6534 OPEN
C6533 OPEN
BL_ON
PWM_DIM
ANA_DIM
SHEET18

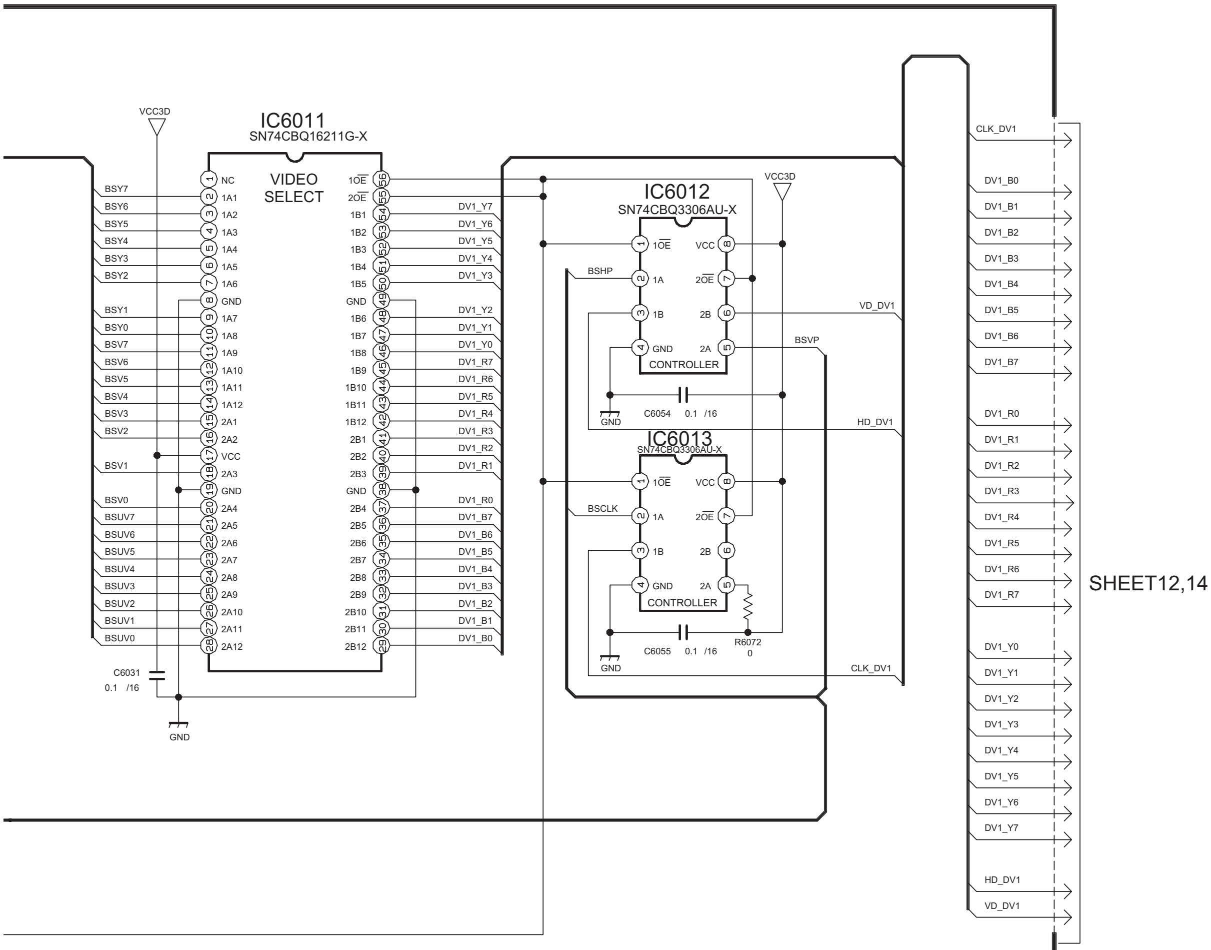
c10431004_0930_4/17_0.0

DIGITAL PWB CIRCUIT DIAGRAM (12/16) [DTV INTERFACE BLOCK] SHEET 20


OPEN
CN0BS *
GND
ATSC TUNER MODULE PWB
CN110
QGB0603L1-B0
1 TGND
2 TGND
3 TGND
4 NC
5 NC
6 NC
7 NC
8 BT30V
9 NC
10 DDGND
11 ODU (NC)
12 GND
13 BS7V
14 BS7V
15 POWER_DET (NC)
16 GND
17 GND
18 TDA
19 RDA
20 VOUTENB
21 1.5CTRL
22 RST
23 NC
24 F_EDGE
25 GND
26 NC
27 NC
28 NC
29 NC
30 NC
31 GND
32 NC
33 NC
34 NC
35 NC
36 NC
37 IRSYS
38 GND
39 NC
40 GND
41 DL
42 GND
43 DR
44 GND
45 DY
46 GND
47 DC
48 DDGND
49 DDGND
50 DDGND
51 BS9V
52 BS9V
53 BS9V
54 BS5V
55 GND
110 GND
109 BSCLK
108 GND
107 HSYNC
106 VSYNC
105 PR9 (BSUV7)
104 PR8 (BSUV6)
103 PR7 (BSUV5)
102 PR6 (BSUV4)
101 GND
100 PR5 (BSUV3)
99 PR4 (BSUV2)
98 PR3 (BSUV1)
97 PR2 (BSUV0)
96 Y9 (BSY7)
95 Y8 (BSY6)
94 GND
93 Y7 (BSY5)
92 Y6 (BSY4)
91 Y5 (BSY3)
90 Y4 (BSY2)
89 Y3 (BSY1)
88 Y2 (BSY0)
87 NC
86 GND
85 NC
84 PB9 (NC)
83 NC
82 PB8 (NC)
81 PB7 (NC)
80 PB6 (NC)
79 PB5 (NC)
78 PB4 (NC)
77 PB3 (NC)
76 PB2 (NC)
75 GND
74 GND
73 PR
72 GND
71 PB
70 GND
69 Y
68 GND
67 NC
66 NC
65 NC
64 NC
63 NC
62 NC
61 GND
60 ML
59 GND
58 MR
57 BS5V
56 GND
JPN (US)
ATSC・BS-DTV CONNECT MODEL
R6055 NRS181J-0R0X
B2
C6051 0.1
R6060 *
R6061 *
D6051 *4
D6053 *
R6057 22
R6058 22
R6059 *
D6052 *
L6051 *
C6053 * CH
BS_9V
BSD_5V
C6052 *
R6064 22
R6065 22
R6066 22
BSCLK_0
BSHP_0
BSVP_0
BSCLK
BSHP
BSVP
BSUV7
BSUV6
BSUV5
BSUV4
BSUV3
BSUV2
BSUV1
BSUV0
BSY7
BSY6
BSY5
BSY4
BSY3
BSY2
BSY1
BSY0
BSV7
BSV6
BSV5
BSV4
BSV3
BSV2
BSV1
BSV0
R6068 *
SHEET22
BS_BT30
BS_ODU
SHEET9,17,18,21,22,24 POW_GOOD
SHEET18 DBSPWOFF
SHEET23
BS_TXD
BS_RXD
SHEET18
VOUTENB
BS_POWEN
BS_RST
VMUTE
SHEET9 BS_IR
SHEET18 DSyncSW1
SHEET13
BS_LOUT
BS_ROUT
BS_YOUT
BS_COUT
ML
MR
GND

NOTE.

*1:NQR0498-C
*2:NQR0489-C
*3:BAV99L-X
*4:MA111-X
*5:NQL0914M-
*6:NQL092K-4
*7:2SK1228-X
*8:CHP302-16
*9:NAF0013-C
*21:UN2113-X
*22:UN2213-X
L10:NQL79GM-
L22:NQL79GM-
RA0:NRZ0034-


VCC3D
IC6011
SN74CBQ16211G-X
VIDEO SELECT
NC
1A1
1A2
1A3
1A4
1A5
1A6
GND
1A7
1A8
1A9
1A10
1A11
1A12
2A1
2A2
VCC
2A3
GND
2A4
2A5
2A6
2A7
2A8
2A9
2A10
2A11
2A12
1OE
2OE
1B1
1B2
1B3
1B4
1B5
GND
1B6
1B7
1B8
1B9
1B10
1B11
1B12
2B1
2B2
2B3
GND
2B4
2B5
2B6
2B7
2B8
2B9
2B10
2B11
2B12
BSY7
BSY6
BSY5
BSY4
BSY3
BSY2
BSY1
BSY0
BSV7
BSV6
BSV5
BSV4
BSV3
BSV2
BSV1
BSV0
BSUV7
BSUV6
BSUV5
BSUV4
BSUV3
BSUV2
BSUV1
BSUV0
DV1_Y7
DV1_Y6
DV1_Y5
DV1_Y4
DV1_Y3
DV1_Y2
DV1_Y1
DV1_Y0
DV1_R7
DV1_R6
DV1_R5
DV1_R4
DV1_R3
DV1_R2
DV1_R1
DV1_R0
DV1_B7
DV1_B6
DV1_B5
DV1_B4
DV1_B3
DV1_B2
DV1_B1
DV1_B0
C6031
0.1 /16
GND
IC6012
SN74CBQ3306AU-X
VCC3D
1OE
1A
1B
GND
VCC
2OE
2B
2A
CONTROLLER
BSHP
BSVP
VD_DV1
C6054 0.1 /16
GND
IC6013
SN74CBQ3306AU-X
1OE
1A
1B
GND
VCC
2OE
2B
2A
CONTROLLER
BSCLK
HD_DV1
C6055 0.1 /16
R6072
0
GND
CLK_DV1
CLK_DV1
DV1_B0
DV1_B1
DV1_B2
DV1_B3
DV1_B4
DV1_B5
DV1_B6
DV1_B7
DV1_R0
DV1_R1
DV1_R2
DV1_R3
DV1_R4
DV1_R5
DV1_R6
DV1_R7
DV1_Y0
DV1_Y1
DV1_Y2
DV1_Y3
DV1_Y4
DV1_Y5
DV1_Y6
DV1_Y7
HD_DV1
VD_DV1
SHEET12,14

DIGITAL PWB ASS'Y(12/16)

SRA0D003A-M2 [HD-56FH96]
SRA0D002A-M2 [HD-61FH96]
SRA0D001A-M2 [HD-70FH96]

TE.

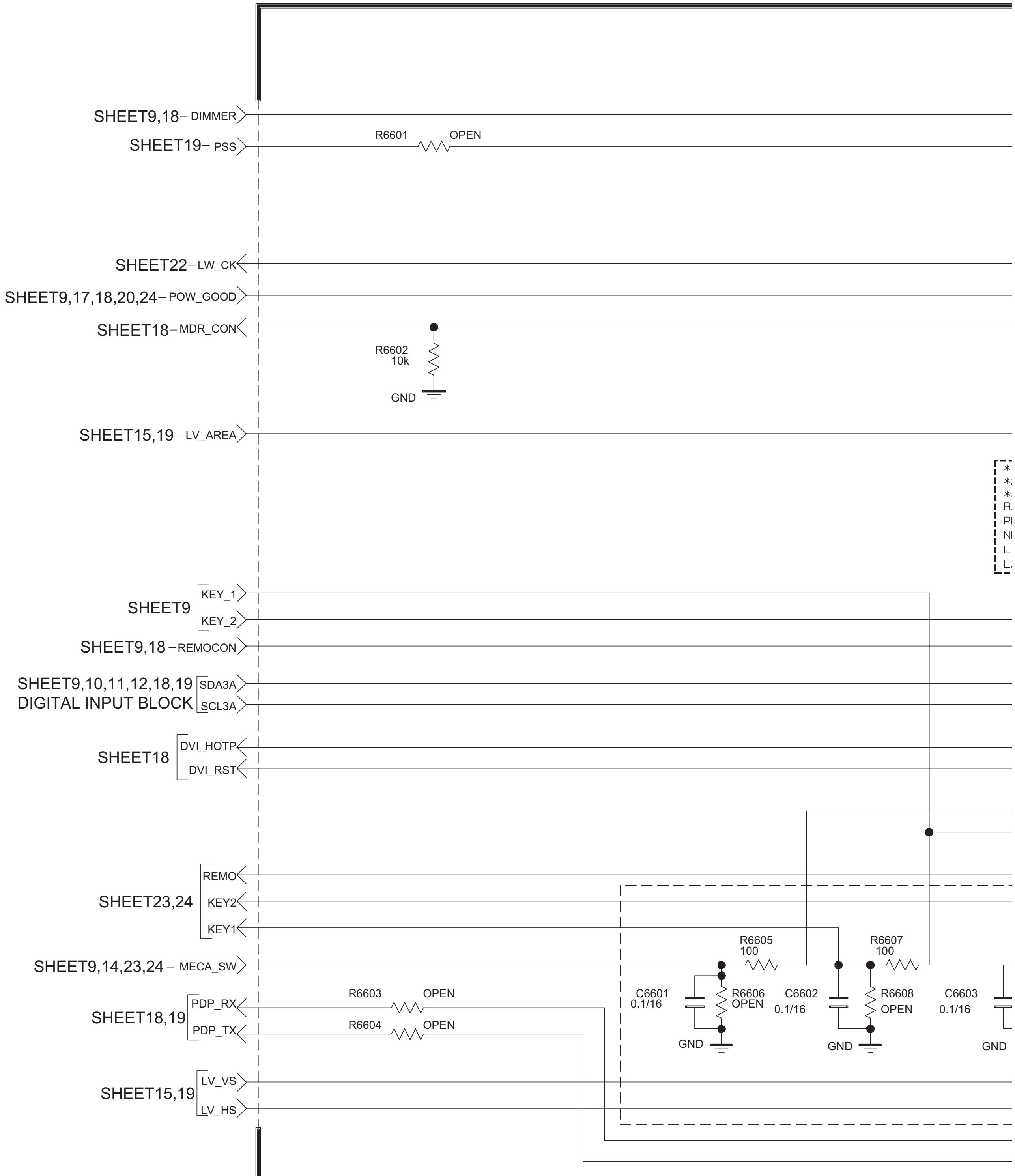
98-001X
39-002X
L-X
-X
14M-4R7X
2K-4R7X
28-X
2-1608T
13-001X
13-X
13-X
9GM-100X
9GM-220X
034-0R0W

* DIFFERENCE LIST

ASSY NO.	SRA -0D001A	SRA -0D002A	SRA -0D003A	SRA -0D004A	SRA -0D005A	SRA -0D006A
	OLLC08608	OLLC08608 -02	OLLC08608 -03	OLLC08609	OLLC08609 -02	OLLC08609 -03
CN0BS	OPEN	OPEN	OPEN	QGA1501C5 -03W	QGA1501C5 -03W	QGA1501C5 -03W
D6051	OPEN	OPEN	OPEN	*4	*4	*4
D6052	*4	*4	*4	OPEN	OPEN	OPEN
D6053	OPEN	OPEN	OPEN	*4	*4	*4
L6051	NRSA02J -0R0X	NRSA02J -0R0X	NRSA02J -0R0X	OPEN	OPEN	OPEN
R6059	100	100	100	0	0	0
R6060	0	0	0	OPEN	OPEN	OPEN
R6061	0	0	0	OPEN	OPEN	OPEN
R6068	NRZ0080 -0R0X	NRZ0080 -0R0X	NRZ0080 -0R0X	OPEN	OPEN	OPEN
C6052	NCJ41CK-226X-U	NCJ41CK-226X-U	NCJ41CK-226X-U	OPEN	OPEN	OPEN
C6053	10p/50	10p/50	10p/50	OPEN	OPEN	OPEN

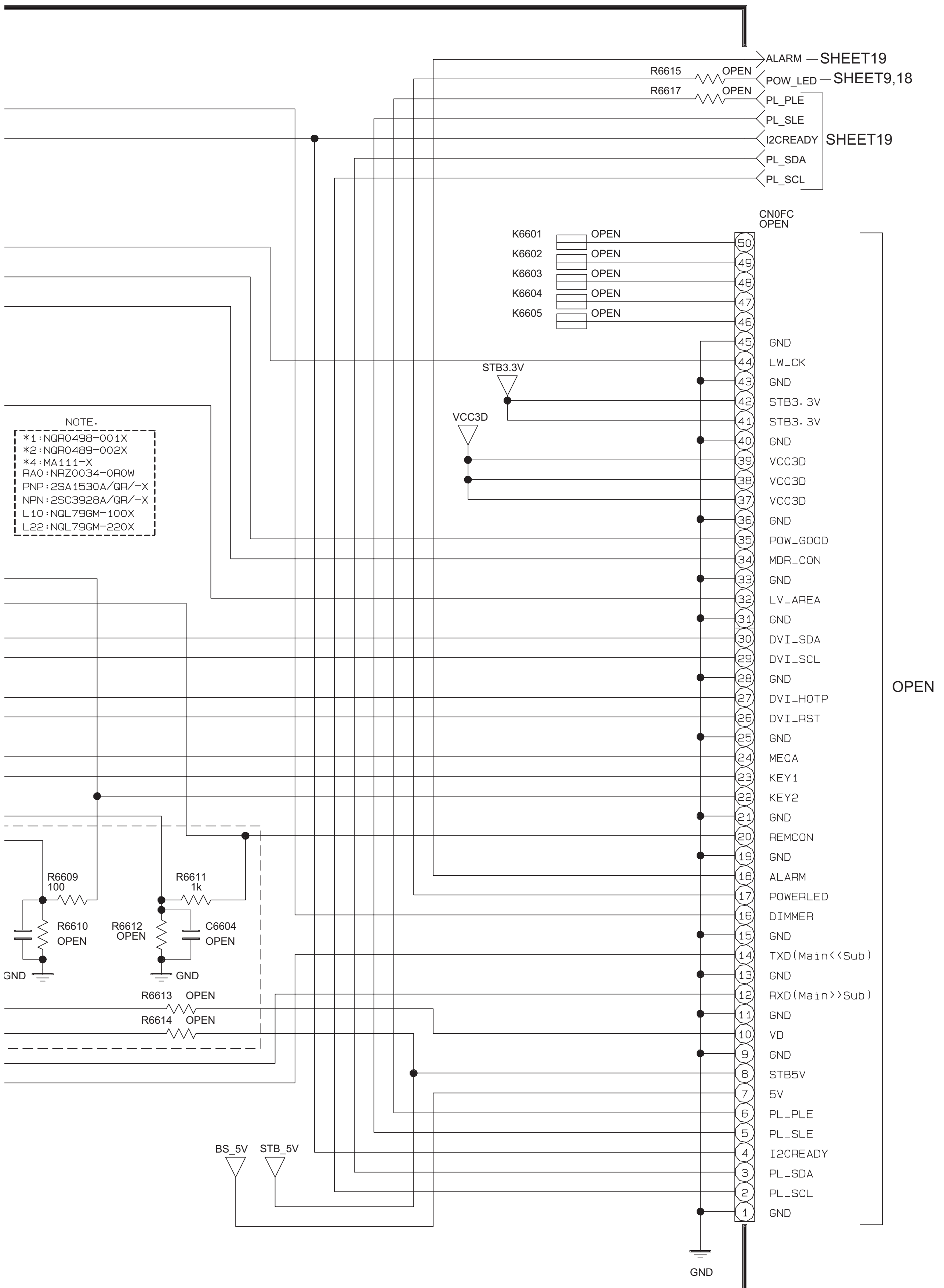
c10431013_0930_13/17_0.0

DIGITAL PWB CIRCUIT DIAGRAM (13/16) [DVI OUT BLOCK] SHEET 21


SHEET9,18 – DIMMER
SHEET19 – PSS
R6601
OPEN
SHEET22 – LW_CK
SHEET9,17,18,20,24 – POW_GOOD
SHEET18 – MDR_CON
R6602
10k
GND
SHEET15,19 – LV_AREA
SHEET9
KEY_1
KEY_2
SHEET9,18 – REMOCON
SHEET9,10,11,12,18,19
DIGITAL INPUT BLOCK
SDA3A
SCL3A
SHEET18
DVI_HOTP
DVI_RST
SHEET23,24
REMO
KEY2
KEY1
SHEET9,14,23,24 – MECA_SW
R6605
100
R6607
100
SHEET18,19
PDP_RX
PDP_TX
R6603
OPEN
R6604
OPEN
C6601
0.1/16
R6606
OPEN
C6602
0.1/16
R6608
OPEN
C6603
0.1/16
GND
GND
GND
SHEET15,19
LV_VS
LV_HS

DIGITAL PWB ASS'Y(13/16)

SRA0D003A-M2 [HD-56FH96]
SRA0D002A-M2 [HD-61FH96]
SRA0D001A-M2 [HD-70FH96]


ALARM
SHEET19
R6615
OPEN
POW_LED
SHEET9,18
R6617
OPEN
PL_PLE
PL_SLE
I2CREADY
SHEET19
PL_SDA
PL_SCL
CN0FC
OPEN
K6601
OPEN
K6602
OPEN
K6603
OPEN
K6604
OPEN
K6605
OPEN
50
49
48
47
46
45 GND
44 LW_CK
43 GND
42 STB3.3V
41 STB3.3V
40 GND
39 VCC3D
38 VCC3D
37 VCC3D
36 GND
35 POW_GOOD
34 MDR_CON
33 GND
32 LV_AREA
31 GND
30 DVI_SDA
29 DVI_SCL
28 GND
27 DVI_HOTP
26 DVI_RST
25 GND
24 MECA
23 KEY1
22 KEY2
21 GND
20 REMCON
19 GND
18 ALARM
17 POWERLED
16 DIMMER
15 GND
14 TXD(Main<<Sub)
13 GND
12 RXD(Main>>Sub)
11 GND
10 VD
9 GND
8 STB5V
7 5V
6 PL_PLE
5 PL_SLE
4 I2CREADY
3 PL_SDA
2 PL_SCL
1 GND
OPEN
STB3.3V
VCC3D
NOTE.
*1:NQR0498-001X
*2:NQR0489-002X
*4:MA111-X
RA0:NRZ0034-0R0W
PNP:2SA1530A/QR/-X
NPN:2SC3928A/QR/-X
L10:NQL79GM-100X
L22:NQL79GM-220X
R6609
100
R6611
1k
R6610
OPEN
R6612
OPEN
C6604
OPEN
GND
GND
R6613
OPEN
R6614
OPEN
BS_5V
STB_5V
GND

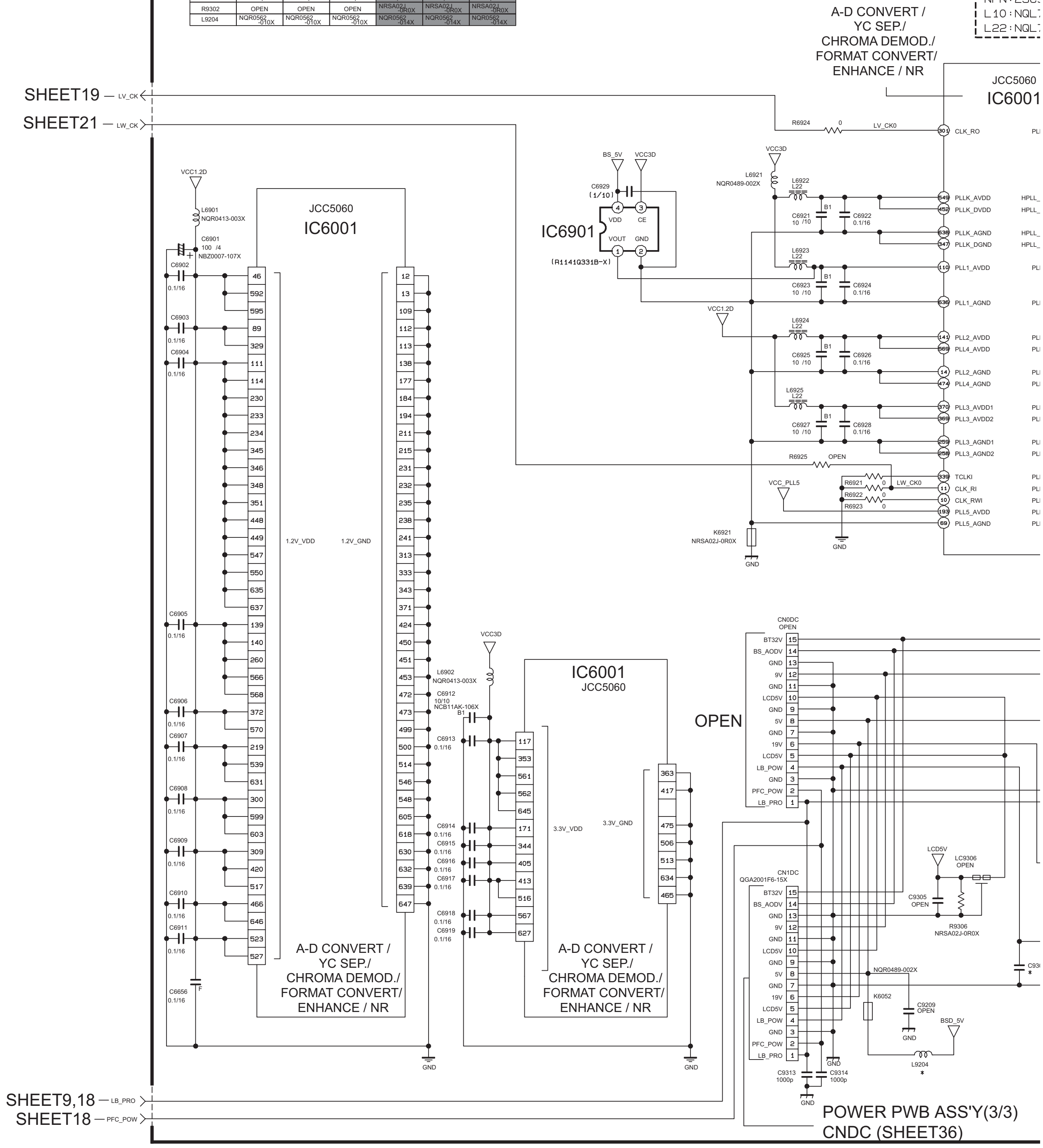
DIGITAL PWB ASS'Y(14/16)

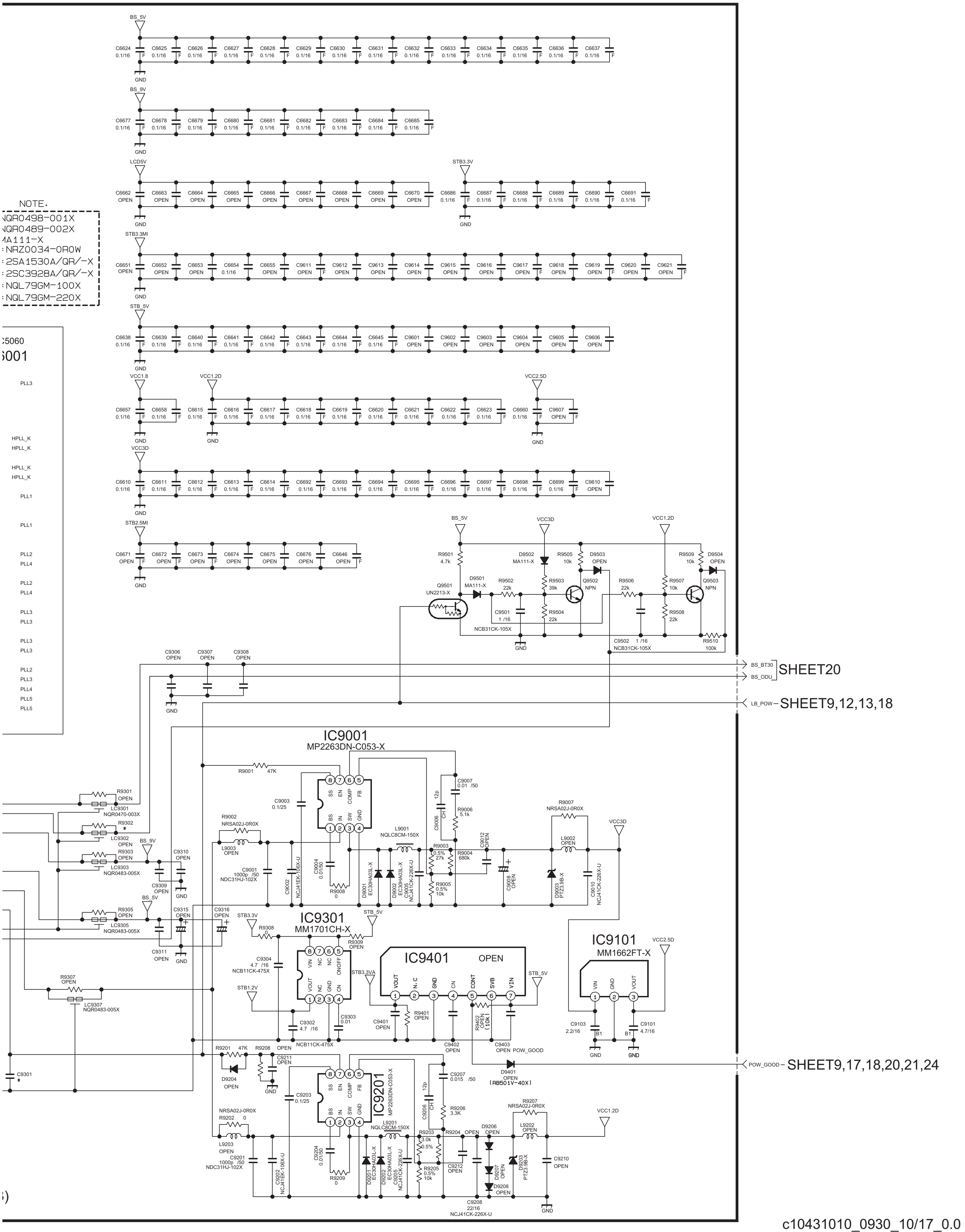
SRA0D003A-M2 [HD-56FH96]
SRA0D002A-M2 [HD-61FH96]
SRA0D001A-M2 [HD-70FH96]

* DIFFERENCE LIST

ASSY NO.	SRA -0D001A	SRA -0D002A	SRA -0D003A	SRA -0D004A	SRA -0D005A	SRA -0D006A
	OLLC08608	OLLC08608 -02	OLLC08608 -03	OLLC08609	OLLC08609 -02	OLLC08609 -03
C9301	1000p	1000p	1000p	1000p/16	1000p/16	1000p/16
R9302	OPEN	OPEN	OPEN	NRSA02J -0R0X	NRSA02J -0R0X	NRSA02J -0R0X
L9204	NQR0562 -010X	NQR0562 -010X	NQR0562 -010X	NQR0562 -014X	NQR0562 -014X	NQR0562 -014X

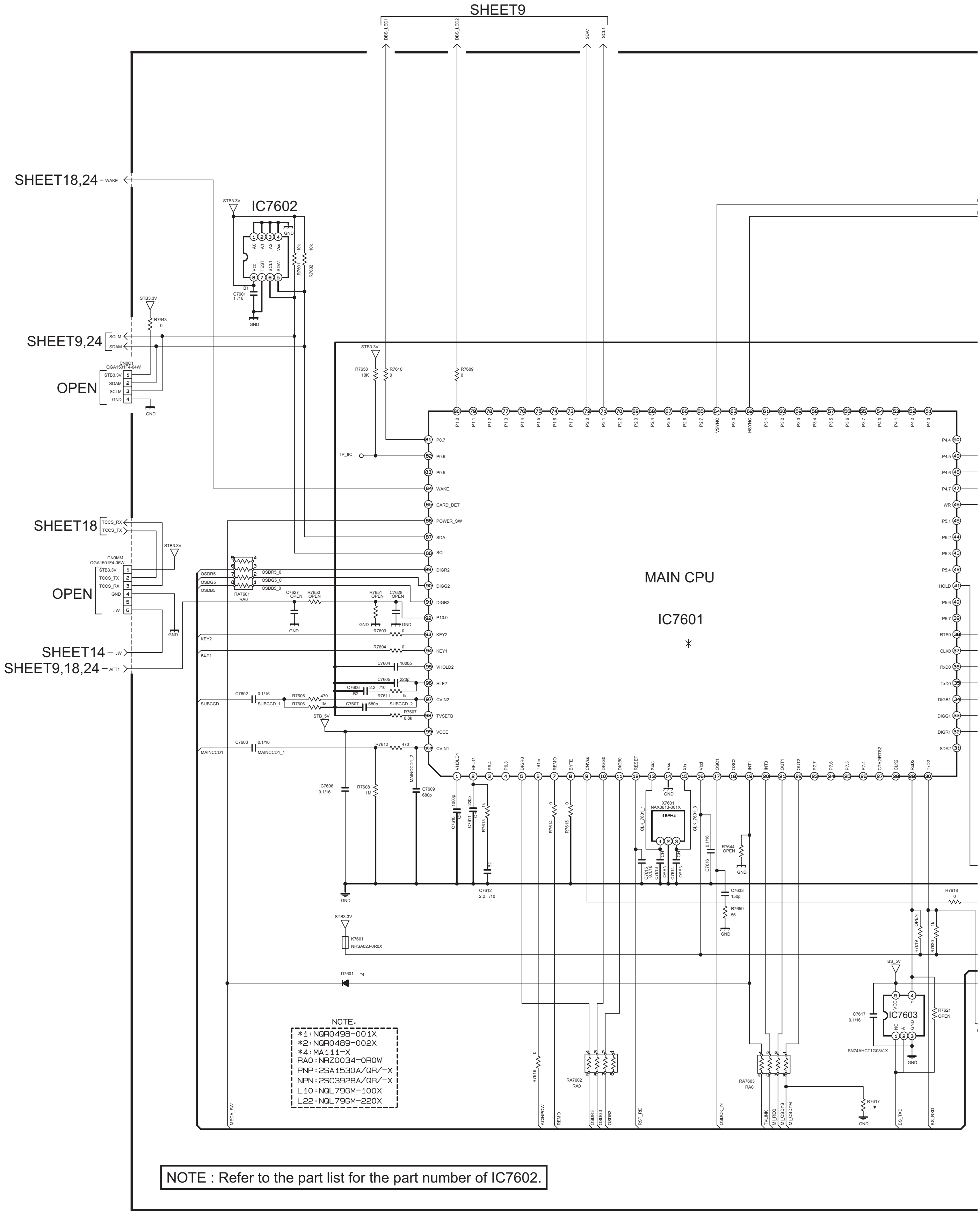
N
*1:NQR0
*2:NQR0
*4:MA11
RA0:NRZ
PNP:2SA
NPN:2SC
L10:NQL
L22:NQL


A-D CONVERT / YC SEP./ CHROMA DEMOD./ FORMAT CONVERT/ ENHANCE / NR
JCC5060
IC6001
SHEET19 — LV_CK
SHEET21 — LW_CK
R6924 0 LV_CK0
301 CLK_RO
BS_5V
VCC3D
C6929 (1/10)
IC6901
VDD CE VOUT GND
(R1141Q331B-X)
L6921 NQR0489-002X
L6922 L22
B1
C6921 10 /10
C6922 0.1/16
549 PLLK_AVDD
452 PLLK_DVDD
638 PLLK_AGND
347 PLLK_DGND
L6923 L22
C6923 10 /10
C6924 0.1/16
110 PLL1_AVDD
636 PLL1_AGND
VCC1.2D
L6924 L22
C6925 10 /10
C6926 0.1/16
141 PLL2_AVDD
569 PLL4_AVDD
14 PLL2_AGND
474 PLL4_AGND
L6925 L22
C6927 10 /10
C6928 0.1/16
370 PLL3_AVDD1
369 PLL3_AVDD2
259 PLL3_AGND1
258 PLL3_AGND2
R6925 OPEN
VCC_PLL5
R6921 0 LW_CK0
R6922 0
R6923 0
339 TCLKI
11 CLK_RI
10 CLK_RWI
193 PLL5_AVDD
69 PLL5_AGND
K6921 NRSA02J-0R0X
GND
VCC1.2D
L6901 NQR0413-003X
C6901 100 /4 NBZ0007-107X
C6902 0.1/16
C6903 0.1/16
C6904 0.1/16
C6905 0.1/16
C6906 0.1/16
C6907 0.1/16
C6908 0.1/16
C6909 0.1/16
C6910 0.1/16
C6911 0.1/16
C6656 0.1/16
JCC5060
IC6001
46 592 595 89 329 111 114 230 233 234 345 346 348 351 448 449 547 550 635 637 139 140 260 566 568 372 570 219 539 631 300 599 603 309 420 517 466 646 523 527
1.2V_VDD
1.2V_GND
12 13 109 112 113 138 177 184 194 211 215 231 232 235 238 241 313 333 343 371 424 450 451 453 472 473 499 500 514 546 548 605 618 630 632 639 647
A-D CONVERT / YC SEP./ CHROMA DEMOD./ FORMAT CONVERT/ ENHANCE / NR
VCC3D
L6902 NQR0413-003X
C6912 10/10 NCB11AK-106X B1
C6913 0.1/16
C6914 0.1/16
C6915 0.1/16
C6916 0.1/16
C6917 0.1/16
C6918 0.1/16
C6919 0.1/16
IC6001
JCC5060
117 353 561 562 645 171 344 405 413 516 567 627
3.3V_VDD
3.3V_GND
363 417 475 506 513 634 465
A-D CONVERT / YC SEP./ CHROMA DEMOD./ FORMAT CONVERT/ ENHANCE / NR
OPEN
CN0DC OPEN
BT32V 15
BS_AODV 14
GND 13
9V 12
GND 11
LCD5V 10
GND 9
5V 8
GND 7
19V 6
LCD5V 5
LB_POW 4
GND 3
PFC_POW 2
LB_PRO 1
CN1DC QGA2001F6-15X
LCD5V
LC9306 OPEN
C9305 OPEN
R9306 NRSA02J-0R0X
NQR0489-002X
K6052
C9209 OPEN
BSD_5V
L9204 *
C9313 1000p
C9314 1000p
C93 *
SHEET9,18 — LB_PRO
SHEET18 — PFC_POW
POWER PWB ASS'Y(3/3) CNDC (SHEET36)


BS_5V
C6624 0.1/16
C6625 0.1/16
C6626 0.1/16
C6627 0.1/16
C6628 0.1/16
C6629 0.1/16
C6630 0.1/16
C6631 0.1/16
C6632 0.1/16
C6633 0.1/16
C6634 0.1/16
C6635 0.1/16
C6636 0.1/16
C6637 0.1/16
GND
BS_9V
C6677 0.1/16
C6678 0.1/16
C6679 0.1/16
C6680 0.1/16
C6681 0.1/16
C6682 0.1/16
C6683 0.1/16
C6684 0.1/16
C6685 0.1/16
GND
LCD5V
C6662 OPEN
C6663 OPEN
C6664 OPEN
C6665 OPEN
C6666 OPEN
C6667 OPEN
C6668 OPEN
C6669 OPEN
C6670 OPEN
GND
STB3.3V
C6686 0.1/16
C6687 0.1/16
C6688 0.1/16
C6689 0.1/16
C6690 0.1/16
C6691 0.1/16
GND
NOTE.
NQR0498-001X
NQR0489-002X
MA111-X
:NRZ0034-0R0W
:2SA1530A/QR/-X
:2SC3928A/QR/-X
:NQL79GM-100X
:NQL79GM-220X
STB3.3MI
C6651 OPEN
C6652 OPEN
C6653 OPEN
C6654 0.1/16
C6655 OPEN
C9611 OPEN
C9612 OPEN
C9613 OPEN
C9614 OPEN
C9615 OPEN
C9616 OPEN
C9617 OPEN
C9618 OPEN
C9619 OPEN
C9620 OPEN
C9621 OPEN
GND
STB_5V
C6638 0.1/16
C6639 0.1/16
C6640 0.1/16
C6641 0.1/16
C6642 0.1/16
C6643 0.1/16
C6644 0.1/16
C6645 0.1/16
C9601 OPEN
C9602 OPEN
C9603 OPEN
C9604 OPEN
C9605 OPEN
C9606 OPEN
GND
C5060
5001
PLL3
VCC1.8
C6657 0.1/16
C6658 0.1/16
VCC1.2D
C6615 0.1/16
C6616 0.1/16
C6617 0.1/16
C6618 0.1/16
C6619 0.1/16
C6620 0.1/16
C6621 0.1/16
C6622 0.1/16
C6623 0.1/16
VCC2.5D
C6660 0.1/16
C9607 OPEN
GND
HPLL_K
HPLL_K
HPLL_K
HPLL_K
VCC3D
C6610 0.1/16
C6611 0.1/16
C6612 0.1/16
C6613 0.1/16
C6614 0.1/16
C6692 0.1/16
C6693 0.1/16
C6694 0.1/16
C6695 0.1/16
C6696 0.1/16
C6697 0.1/16
C6698 0.1/16
C6699 0.1/16
C9610 OPEN
PLL1
GND
PLL1
STB2.5MI
C6671 OPEN
C6672 OPEN
C6673 OPEN
C6674 OPEN
C6675 OPEN
C6676 OPEN
C6646 OPEN
GND
PLL2
PLL4
PLL2
PLL4
PLL3
PLL3
PLL3
PLL3
PLL2
PLL3
PLL4
PLL5
PLL5
BS_5V
R9501 4.7k
VCC3D
D9502 MA111-X
R9505 10k
D9503 OPEN
VCC1.2D
R9509 10k
D9504 OPEN
Q9501 UN2213-X
D9501 MA111-X
R9502 22k
R9503 39k
Q9502 NPN
R9506 22k
R9507 10k
Q9503 NPN
C9501 1 /16
R9504 22k
R9508 22k
NCB31CK-105X
GND
C9502 1 /16
NCB31CK-105X
R9510 100k
C9306 OPEN
C9307 OPEN
C9308 OPEN
GND
BS_BT30
BS_ODU
SHEET20
LB_POW
SHEET9,12,13,18
IC9001
MP2263DN-C053-X
R9001 47K
C9007 0.01 /50
SS EN COMP FB
BS IN SW GND
C9003 0.1/25
12p
C9006 CH
R9006 5.1k
R9007 NRSA02J-0R0X
R9301 OPEN
LC9301 NQR0470-003X
R9002 NRSA02J-0R0X
L9001 NQLC8CM-150X
C9012 OPEN
L9002 OPEN
VCC3D
R9302 *
LC9302 OPEN
L9003 OPEN
R9003 0.5% 27k
R9004 680k
BS_9V
C9310 OPEN
R9303 OPEN
LC9303 NQR0483-005X
C9001 1000p /50 NDC31HJ-102X
C9002 NCJ41EK-106X-U
C9004 0.01/50
R9008 0
D9001 EC30HA03L-X
D9002 EC30HA03L-X
C9005 NCJ41CK-226X-U
R9005 0.5% 10k
C9008 OPEN
D9003 PTZ3.9B-X
C9010 NCJ41CK-226X-U
C9309 OPEN
GND
BS_5V
C9315 OPEN
C9316 OPEN
R9305 OPEN
LC9305 NQR0483-005X
STB3.3V
IC9301
MM1701CH-X
STB_5V
R9308 0
R9309 OPEN
C9311 OPEN
GND
VIN NC NC ON/OFF
VOUT NC GND CN
C9304 4.7 /16 NCB11CK-475X
IC9401
OPEN
STB3.3VA
VOUT N.C GND CN CONT SVB VIN
STB_5V
IC9101
MM1662FT-X
VCC2.5D
VIN GND VOUT
R9307 OPEN
LC9307 NQR0483-005X
STB1.2V
C9302 4.7 /16
C9303 0.01
C9401 OPEN
R9401 OPEN
R9402 OPEN (10k)
C9103 2.2/16
B1
C9101 4.7/16
B1
NCB11CK-475X
C9402 OPEN
C9403 OPEN POW_GOOD
GND
GND
R9201 47K
R9208 OPEN
C9211 OPEN
POW_GOOD
SHEET9,17,18,20,21,24
D9401 OPEN (RB501V-40X)
C9301 *
D9204 OPEN
GND
IC9201
MP2263DN-C053-X
SS EN COMP FB
BS IN SW GND
C9207 0.015 /50
C9203 0.1/25
12p
C9206 CH
R9206 3.3K
R9207 NRSA02J-0R0X
NRSA02J-0R0X
R9202 0
L9201 NQLC8CM-150X
R9203 3.0k 0.5%
R9204 OPEN
D9206 OPEN
L9202 OPEN
VCC1.2D
L9203 OPEN
C9201 1000p /50 NDC31HJ-102X
C9202 NCJ41EK-106X-U
C9204 0.01/50
R9209 0
D9201 EC30HA03L-X
D9202 EC30HA03L-X
C9205 NCJ41CK-226X-U
R9205 0.5% 10k
C9212 OPEN
D9207 OPEN
D9208 OPEN
D9203 PTZ3.9B-X
C9210 OPEN
C9208 22/16 NCJ41CK-226X-U
GND
5)

c10431010_0930_10/17_0.0

DIGITAL PWB CIRCUIT DIAGRAM (15/16) [MICON BLOCK] SHEET 23

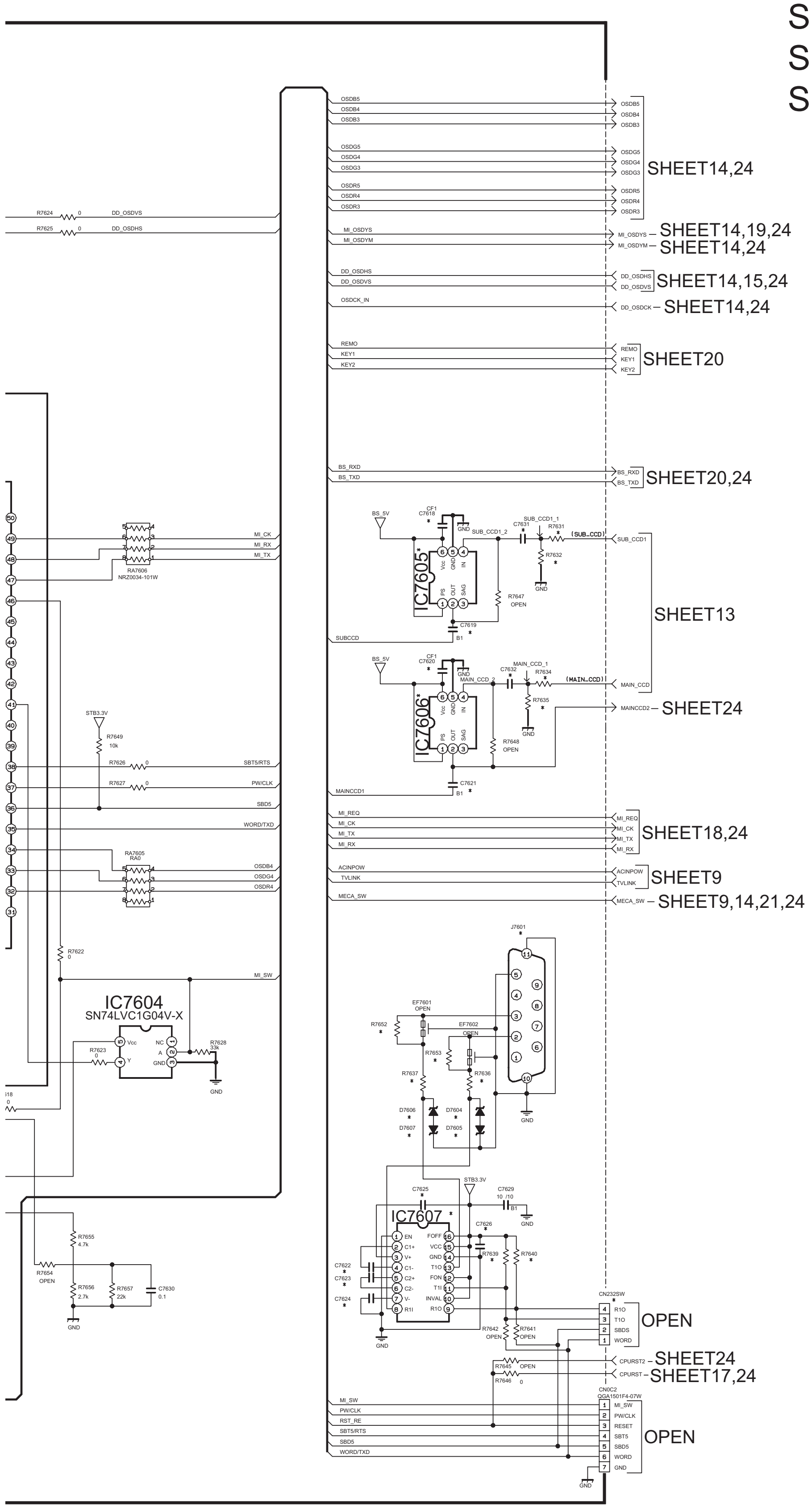

SHEET9
DBS_LED1
DBS_LED2
SDA1
SCL1
SHEET18,24 WAKE
IC7602
STB3.3V
SHEET9,24
SCLM
SDAM
OPEN
CN0C1 QGA1501F4-04W
SHEET18
TCCS_RX
TCCS_TX
CN0MM QGA1501F4-06W
OPEN
SHEET14 JW
SHEET9,18,24 AFT1
MAIN CPU
IC7601
RA7601 RA0
X7601 NAX0613-001X 16MHz
K7601 NRSA02J-0R0X
D7601 *4
IC7603
SN74AHCT1G08V-X
RA7602 RA0
RA7603 RA0
MECA_SW
AC/NPOW
REMO
OSDR3
OSDG3
OSDB3
RST_RE
OSDCK_IN
T/LINK
MI_REQ
MI_OSDYS
MI_OSDYM
BS_TXD
BS_RXD

NOTE.
*1:NQR0498-001X
*2:NQR0489-002X
*4:MA111-X
RA0:NRZ0034-0R0W
PNP:2SA1530A/QR/-X
NPN:2SC3928A/QR/-X
L10:NQL79GM-100X
L22:NQL79GM-220X

NOTE : Refer to the part list for the part number of IC7602.

DIGITAL PWB ASS'Y(15/16)

SRA0D003A-M2 [HD-56FH96]
SRA0D002A-M2 [HD-61FH96]
SRA0D001A-M2 [HD-70FH96]



OSDB5
OSDB4
OSDB3
OSDG5
OSDG4
OSDG3
OSDR5
OSDR4
OSDR3
SHEET14,24
R7624 0 DD_OSDVS
R7625 0 DD_OSDHS
MI_OSDYS
MI_OSDYM
SHEET14,19,24
SHEET14,24
DD_OSDHS
DD_OSDVS
SHEET14,15,24
OSDCK_IN
DD_OSDCK
SHEET14,24
REMO
KEY1
KEY2
SHEET20
BS_RXD
BS_TXD
SHEET20,24
MI_CK
MI_RX
MI_TX
RA7606
NRZ0034-101W
BS_5V
CF1
C7618
SUB_CCD1_2
SUB_CCD1_1
C7631
R7631
(SUB_CCD)
SUB_CCD1
R7632
IC7605
Vcc
GND
IN
PS
OUT
SAG
R7647
OPEN
C7619
B1
SUBCCD
SHEET13
C7620
MAIN_CCD_2
MAIN_CCD_1
C7632
R7634
(MAIN_CCD)
MAIN_CCD
R7635
IC7606
R7648
OPEN
MAINCCD2
SHEET24
C7621
MAINCCD1
STB3.3V
R7649
10k
R7626 0
R7627 0
SBT5/RTS
PW/CLK
SBD5
WORD/TXD
MI_REQ
MI_CK
MI_TX
MI_RX
SHEET18,24
RA7605
RA0
OSDB4
OSDG4
OSDR4
ACINPOW
TVLINK
SHEET9
MECA_SW
SHEET9,14,21,24
R7622
0
MI_SW
IC7604
SN74LVC1G04V-X
Vcc
NC
A
GND
Y
R7623
0
R7628
33k
GND
J7601
EF7601
OPEN
EF7602
OPEN
R7652
R7653
R7637
R7636
D7606
D7607
D7604
D7605
GND
C7625
STB3.3V
C7629
10 /10
B1
IC7607
EN
C1+
V+
C1-
C2+
C2-
V-
R1I
FOFF
VCC
GND
T1O
FON
T1I
INVAL
R1O
C7626
C7622
C7623
C7624
R7639
R7640
R7642
OPEN
R7641
OPEN
CN232SW
R1O
T1O
SBDS
WORD
OPEN
R7655
4.7k
R7654
OPEN
R7656
2.7k
R7657
22k
C7630
0.1
GND
R7645 OPEN
R7646 0
CPURST2
CPURST
SHEET24
SHEET17,24
CN0C2
QGA1501F4-07W
MI_SW
PW/CLK
RST_RE
SBT5/RTS
SBD5
WORD/TXD
MI_SW
PW/CLK
RESET
SBT5
SBD5
WORD
GND
OPEN

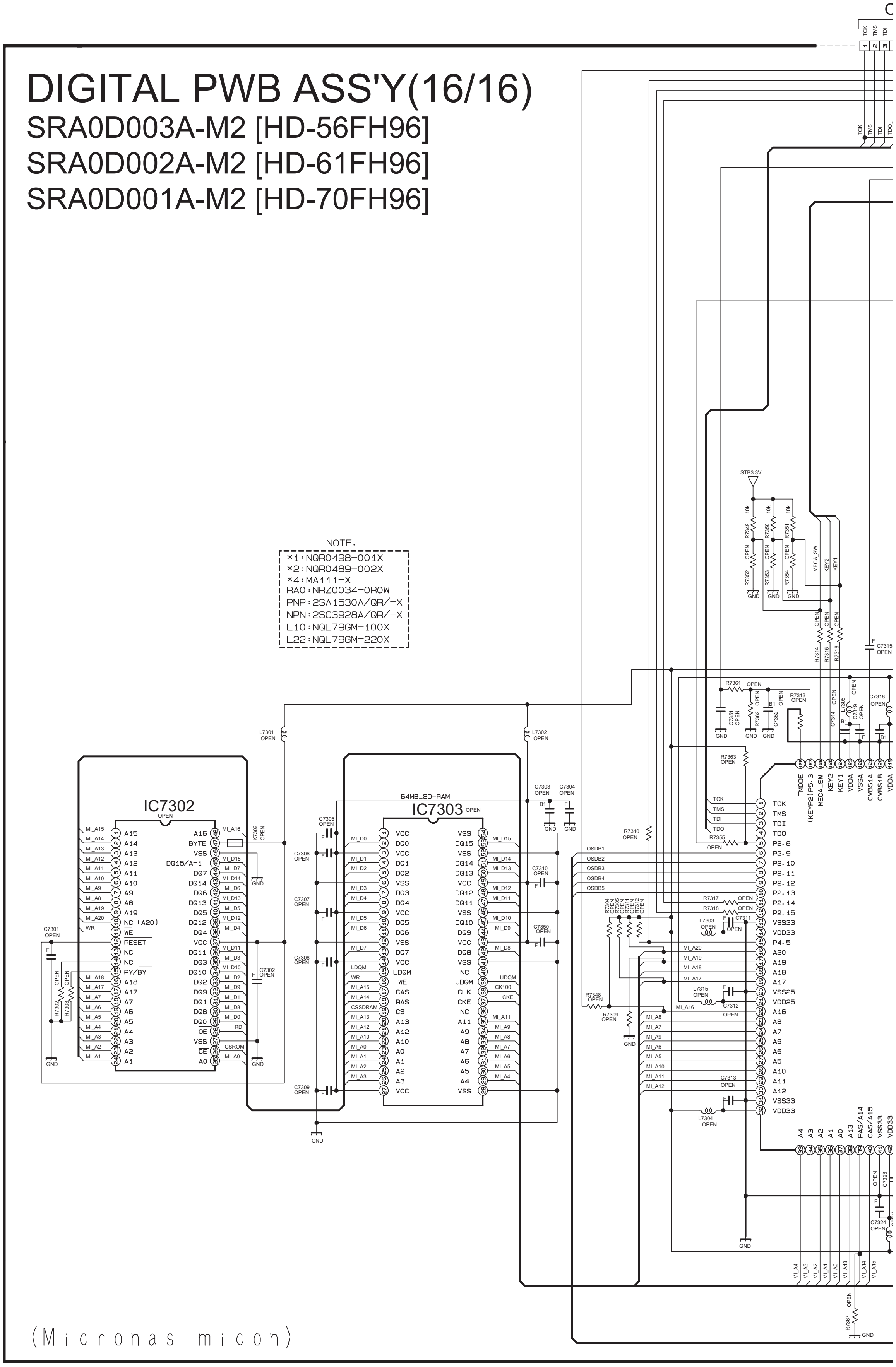
* DIFFERENCE LIST

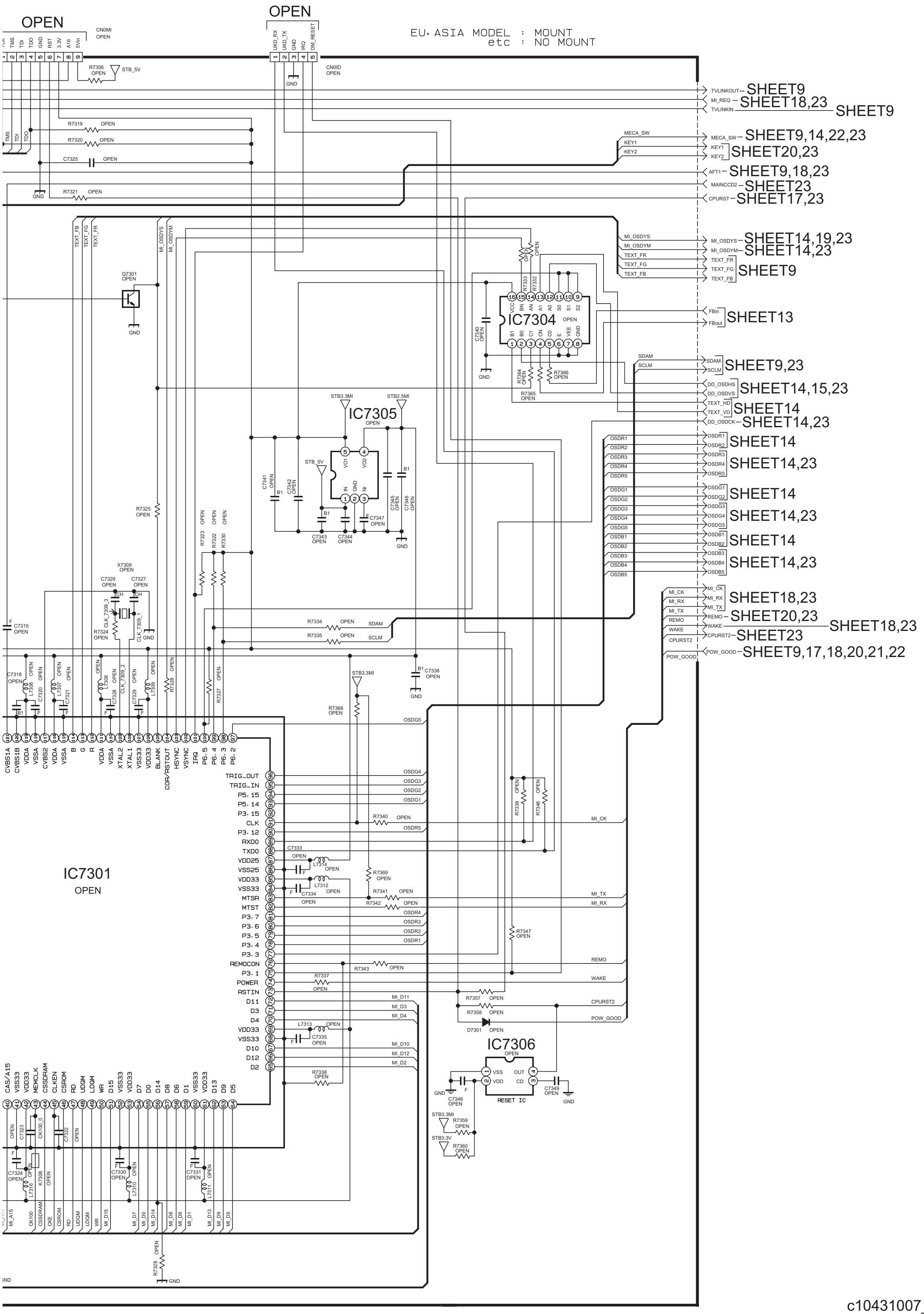
ASSY NO.	SRA -0D001A	SRA -0D002A	SRA -0D003A	SRA -0D004A	SRA -0D005A	SRA -0D006A
	OLLC08608	OLLC08608 -02	OLLC08608 -03	OLLC08609	OLLC08609 -02	OLLC08609 -03
IC7605	MM1673XN-X	MM1673XN-X	MM1673XN-X	OPEN	OPEN	OPEN
IC7606	MM1673XN-X	MM1673XN-X	MM1673XN-X	OPEN	OPEN	OPEN
IC7607	ICL3221CAZ-X	ICL3221CAZ-X	ICL3221CAZ-X	OPEN	OPEN	OPEN
J7601	QNZ0587-001	QNZ0587-001	QNZ0587-001	OPEN	OPEN	OPEN
D7604	MA8120-X	MA8120-X	MA8120-X	OPEN	OPEN	OPEN
D7605	MA8120-X	MA8120-X	MA8120-X	OPEN	OPEN	OPEN
D7606	MA8120-X	MA8120-X	MA8120-X	OPEN	OPEN	OPEN
D7607	MA8120-X	MA8120-X	MA8120-X	OPEN	OPEN	OPEN
R7631	1k	1k	1k	OPEN	OPEN	OPEN
R7632	2.2k	2.2k	2.2k	OPEN	OPEN	OPEN
R7634	1k	1k	1k	OPEN	OPEN	OPEN
R7635	2.2k	2.2k	2.2k	OPEN	OPEN	OPEN
R7636	1k	1k	1k	OPEN	OPEN	OPEN
R7637	1k	1k	1k	OPEN	OPEN	OPEN
R7639	10k	10k	10k	OPEN	OPEN	OPEN
R7640	10k	10k	10k	OPEN	OPEN	OPEN
R7652	0	0	0	OPEN	OPEN	OPEN
R7653	0	0	0	OPEN	OPEN	OPEN
C7618	4.7/16	4.7/16	4.7/16	OPEN	OPEN	OPEN
C7619	10/10	10/10	10/10	OPEN	OPEN	OPEN
C7620	4.7/16	4.7/16	4.7/16	OPEN	OPEN	OPEN
C7621	10/10	10/10	10/10	OPEN	OPEN	OPEN
C7622	0.1/16	0.1/16	0.1/16	OPEN	OPEN	OPEN
C7623	0.1/16	0.1/16	0.1/16	OPEN	OPEN	OPEN
C7624	0.1/16	0.1/16	0.1/16	OPEN	OPEN	OPEN
C7625	0.1/16	0.1/16	0.1/16	OPEN	OPEN	OPEN
C7626	0.1/16	0.1/16	0.1/16	OPEN	OPEN	OPEN
C7631	0.22/10	0.22/10	0.22/10	OPEN	OPEN	OPEN
C7632	0.22/10	0.22/10	0.22/10	OPEN	OPEN	OPEN
IC7601	M306V7FG-141FP	M306V7FG-141FP	M306V7FG-141FP	M306V7FG-142FP	M306V7FG-142FP	M306V7FG-142FP
CN232SW	QGA1501F4-04W	QGA1501F4-04W	QGA1501F4-04W	OPEN	OPEN	OPEN

c10431006_0930_6/17_0.0

DIGITAL PWB ASS'Y(16/16)

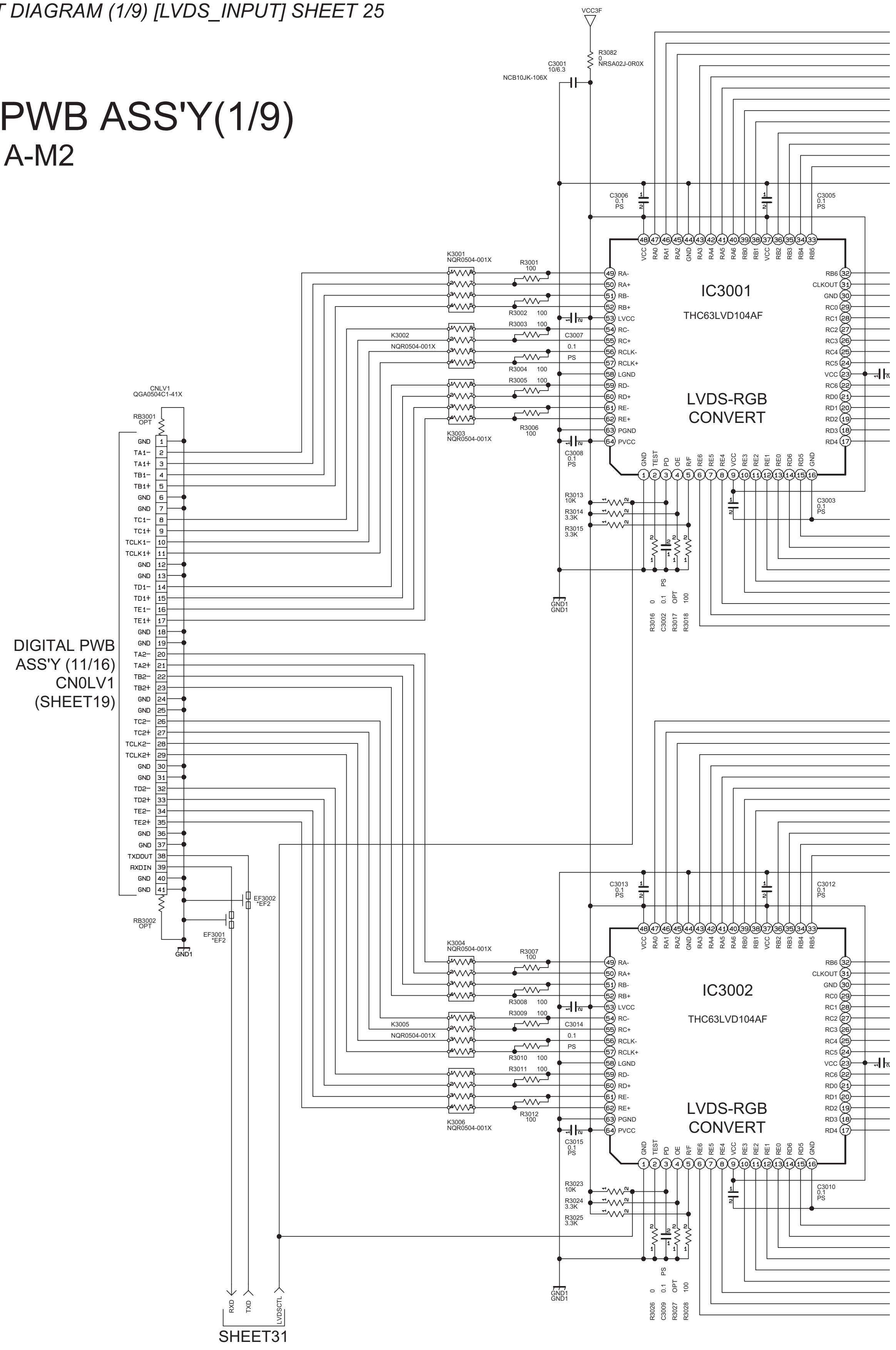
SRA0D003A-M2 [HD-56FH96]
SRA0D002A-M2 [HD-61FH96]
SRA0D001A-M2 [HD-70FH96]

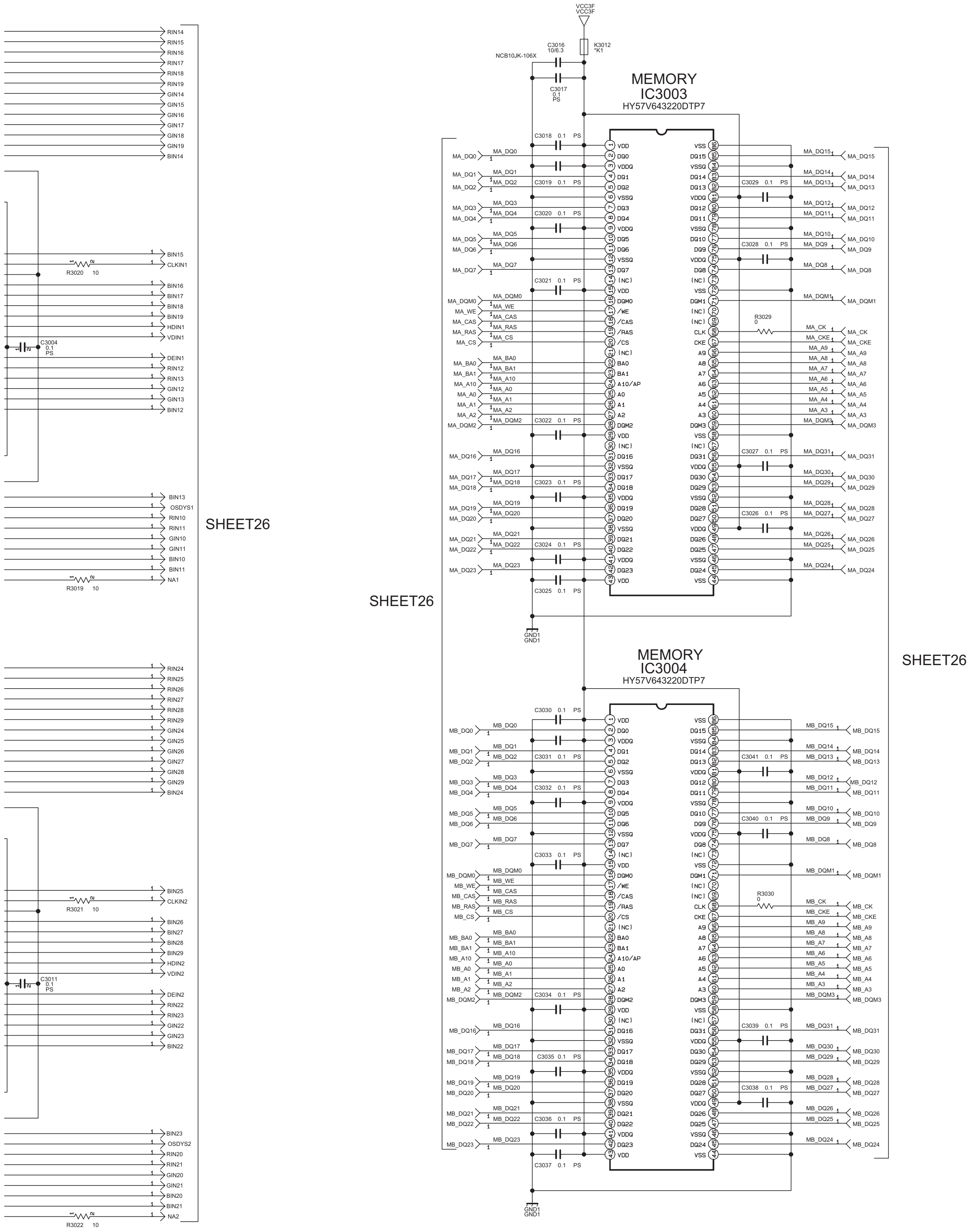

NOTE.
*1:NQR0498-001X
*2:NQR0489-002X
*4:MA111-X
RA0:NRZ0034-0R0W
PNP:2SA1530A/QR/-X
NPN:2SC3928A/QR/-X
L10:NQL79GM-100X
L22:NQL79GM-220X
IC7302
OPEN
64MB_SD-RAM
IC7303
OPEN
L7301 OPEN
L7302 OPEN
K7302 OPEN
C7301 OPEN
C7302 OPEN
C7303 OPEN
C7304 OPEN
C7305 OPEN
C7306 OPEN
C7307 OPEN
C7308 OPEN
C7309 OPEN
C7310 OPEN
C7350 OPEN
R7302 OPEN
R7303 OPEN
A15
A14
A13
A12
A11
A10
A9
A8
A19
NC (A20)
WE
RESET
NC
NC
RY/BY
A18
A17
A7
A6
A5
A4
A3
A2
A1
A16
BYTE
VSS
DQ15/A-1
DQ7
DQ14
DQ6
DQ13
DQ5
DQ12
DQ4
VCC
DQ11
DQ3
DQ10
DQ2
DQ9
DQ1
DQ8
DQ0
OE
VSS
CE
A0
VCC
DQ0
VCC
DQ1
DQ2
VSS
DQ3
DQ4
VCC
DQ5
DQ6
VSS
DQ7
VCC
LDQM
WE
CAS
RAS
CS
A13
A12
A10
A0
A1
A2
A3
VCC
VSS
DQ15
VSS
DQ14
DQ13
VCC
DQ12
DQ11
VSS
DQ10
DQ9
VCC
DQ8
VSS
NC
UDQM
CLK
CKE
NC
A11
A9
A8
A7
A6
A5
A4
VSS
WR
RD
CSROM
CSSDRAM
CK100
CKE
GND
STB3.3V
R7349 10k
R7350 10k
R7351 10k
R7352 OPEN
R7353 OPEN
R7354 OPEN
MECA_SW
KEY2
KEY1
R7314 OPEN
R7315 OPEN
R7316 OPEN
C7315 OPEN
R7361 OPEN
C7351 OPEN
R7362 OPEN
C7352 OPEN
R7313 OPEN
C7314 OPEN
L7305 OPEN
C7319 OPEN
C7318 OPEN
R7363 OPEN
R7310 OPEN
R7355 OPEN
R7317 OPEN
R7318 OPEN
L7303 OPEN
C7311 OPEN
R7348 OPEN
R7309 OPEN
L7315 OPEN
C7312 OPEN
C7313 OPEN
L7304 OPEN
C7323 OPEN
C7324 OPEN
R7367 OPEN
TCK
TMS
TDI
TDO
OSDB1
OSDB2
OSDB3
OSDB4
OSDB5
TMODE
(KEY2)P5.3
MECA_SW
KEY2
KEY1
VDDA
VSSA
CVBS1A
CVBS1B
VDDA
TCK
TMS
TDI
TDO
P2.8
P2.9
P2.10
P2.11
P2.12
P2.13
P2.14
P2.15
VSS33
VDD33
P4.5
A20
A19
A18
A17
VSS25
VDD25
A16
A8
A7
A9
A6
A5
A10
A11
A12
VSS33
VDD33
A4
A3
A2
A1
A0
A13
RAS/A14
CAS/A15
VSS33
VDD33
(Micronas micon)


OPEN
CN0MI
OPEN
TMS
TDI
TDO
GND
RST
3.3V
A16
5Vin
R7356
OPEN
STB_5V
OPEN
UKD_RX
UKD_TX
GND
IRQ
DM_RESET
CN0ID
OPEN
GND
EU, ASIA MODEL : MOUNT
etc : NO MOUNT
R7319 OPEN
R7320 OPEN
C7325 OPEN
R7321 OPEN
GND
TVLINKOUT
SHEET9
MI_REQ
SHEET18,23
TVLINKIN
SHEET9
MECA_SW
KEY1
KEY2
MECA_SW
SHEET9,14,22,23
SHEET20,23
AFT1
SHEET9,18,23
MAINCCD2
SHEET23
CPURST
SHEET17,23
TEXT_FB
TEXT_FG
TEXT_FR
MI_OSDYS
MI_OSDYM
MI_OSDYS
SHEET14,19,23
MI_OSDYM
SHEET14,23
TEXT_FR
TEXT_FG
TEXT_FB
SHEET9
Q7301
OPEN
GND
R7333
R7332
OPEN
OPEN
C7340
OPEN
IC7304
OPEN
VCC BN AN A1 A0 S0 S1 S2
B1 B0 C1 CN C0 E VEE GND
FBin
FBout
SHEET13
GND
R7364
OPEN
R7366
OPEN
R7365
OPEN
SDAM
SCLM
SDAM
SCLM
SHEET9,23
DD_OSDHS
DD_OSDVS
SHEET14,15,23
TEXT_HD
TEXT_VD
SHEET14
DD_OSDCK
SHEET14,23
STB3.3MI
STB2.5MI
IC7305
OPEN
VO1
VO2
IN
GND
Nr
STB_5V
C7341
OPEN
B1
C7342
OPEN
B1
C7343
OPEN
C7344
OPEN
C7347
OPEN
C7345
OPEN
C7346
OPEN
B1
GND
OSDR1
OSDR2
OSDR3
OSDR4
OSDR5
SHEET14
SHEET14,23
OSDG1
OSDG2
OSDG3
OSDG4
OSDG5
SHEET14
SHEET14,23
OSDB1
OSDB2
OSDB3
OSDB4
OSDB5
SHEET14
SHEET14,23
R7325
OPEN
R7323
R7322
R7330
OPEN
OPEN
OPEN
X7309
OPEN
C7326
OPEN
C7327
OPEN
CH
CH
CLK_7309_3
CLK_7309_1
R7324
OPEN
GND
C7315
OPEN
R7334 OPEN
SDAM
R7335 OPEN
SCLM
MI_CK
MI_RX
MI_TX
REMO
WAKE
CPURST2
POW_GOOD
MI_CK
MI_RX
MI_TX
SHEET18,23
REMO
SHEET20,23
WAKE
SHEET18,23
CPURST2
SHEET23
POW_GOOD
SHEET9,17,18,20,21,22
C7318
OPEN
L7306
OPEN
C7320
OPEN
L7307
OPEN
C7321
L7308
OPEN
C7328
CLK_7309_2
C7329
OPEN
L7309
OPEN
R7328
OPEN
R7327
OPEN
B1
STB3.3MI
C7338
OPEN
B1
GND
R7368
OPEN
OSDG5
CVBS1A CVBS1B VDDA VSSA CVBS2 VDDA VSSA B G R VDDA VSSA XTAL2 XTAL1 VSS33 VDD33 BLANK COR/RSTOUT HSYNC VSYNC IRQ P6.5 P6.4 P6.3 P6.2
TRIG_OUT
TRIG_IN
P5.15
P5.14
P3.15
CLK
P3.12
RXD0
TXD0
VDD25
VSS25
VDD33
VSS33
MTSR
MTST
P3.7
P3.6
P3.5
P3.4
P3.3
REMOCON
P3.1
POWER
RSTIN
D11
D3
D4
VDD33
VSS33
D10
D12
D2
IC7301
OPEN
OSDG4
OSDG3
OSDG2
OSDG1
R7340 OPEN
OSDR5
C7333
OPEN
L7314
OPEN
L7312
OPEN
C7334
OPEN
R7369
OPEN
R7341 OPEN
R7342 OPEN
OSDR4
OSDR3
OSDR2
OSDR1
R7339
OPEN
R7346
OPEN
MI_CK
MI_TX
MI_RX
R7347
OPEN
R7343 OPEN
REMO
R7337
OPEN
WAKE
R7357 OPEN
R7358 OPEN
CPURST2
D7301 OPEN
POW_GOOD
MI_D11
MI_D3
MI_D4
L7313 OPEN
C7335
OPEN
MI_D10
MI_D12
MI_D2
R7338
OPEN
IC7306
OPEN
VSS
VDD
OUT
CD
RESET IC
GND
C7348
OPEN
F
C7349
OPEN
GND
STB3.3MI
R7359
OPEN
STB3.3V
R7360
OPEN
CAS/A15 VSS33 VDD33 MEMCLK CSSDRAM CLKEN CSROM RD UDQM LDQM WR D15 VSS33 VDD33 D7 D0 D14 D8 D6 D1 VSS33 VDD33 D13 D9 D5
OPEN
C7323
OPEN
CK100_0
C7322
OPEN
C7324
OPEN
L7310
OPEN
K7308
OPEN
C7330
OPEN
L7310
OPEN
C7331
OPEN
L7311
OPEN
MI_A15
CK100
CSSDRAM
CKE
CSROM
RD
UDQM
LDQM
WR
MI_D15
MI_D7
MI_D0
MI_D14
MI_D8
MI_D6
MI_D1
MI_D13
MI_D9
MI_D5
R7329
OPEN
GND
GND

DRIVE PWB ASS'Y(1/9)

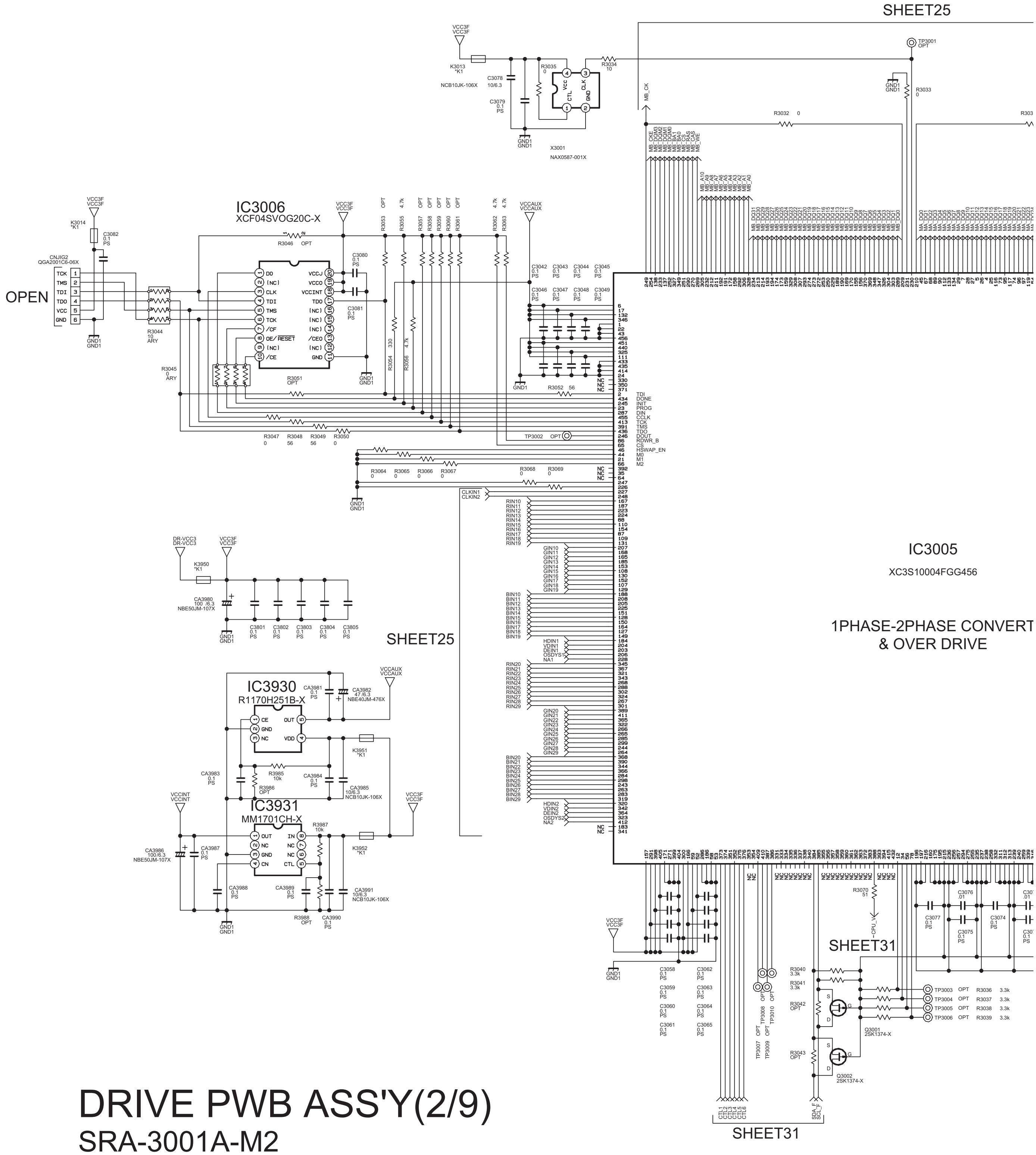
SRA-3001A-M2


VCC3F
R3082
0
NRSA02J-0R0X
C3001
10/6.3
NCB10JK-106X
C3006
0.1
PS
C3005
0.1
PS
K3001
NQR0504-001X
R3001
100
R3002 100
R3003 100
K3002
NQR0504-001X
C3007
0.1
PS
R3004 100
R3005 100
K3003
NQR0504-001X
R3006
100
C3008
0.1
PS
IC3001
THC63LVD104AF
LVDS-RGB
CONVERT
VCC RA0 RA1 RA2 GND RA3 RA4 RA5 RA6 RB0 RB1 VCC RB2 RB3 RB4 RB5
48 47 46 45 44 43 42 41 40 39 38 37 36 35 34 33
49 RA-
50 RA+
51 RB-
52 RB+
53 LVCC
54 RC-
55 RC+
56 RCLK-
57 RCLK+
58 LGND
59 RD-
60 RD+
61 RE-
62 RE+
63 PGND
64 PVCC
RB6 32
CLKOUT 31
GND 30
RC0 29
RC1 28
RC2 27
RC3 26
RC4 25
RC5 24
VCC 23
RC6 22
RD0 21
RD1 20
RD2 19
RD3 18
RD4 17
GND TEST PD OE R/F RE6 RE5 RE4 VCC RE3 RE2 RE1 RE0 RD6 RD5 GND
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
C3003
0.1
PS
R3013
10K
R3014
3.3K
R3015
3.3K
R3016 0
C3002 0.1 PS
R3017 OPT
R3018 100
GND1
GND1
CNLV1
QGA0504C1-41X
RB3001
OPT
1 GND
2 TA1−
3 TA1+
4 TB1−
5 TB1+
6 GND
7 GND
8 TC1−
9 TC1+
10 TCLK1−
11 TCLK1+
12 GND
13 GND
14 TD1−
15 TD1+
16 TE1−
17 TE1+
18 GND
19 GND
20 TA2−
21 TA2+
22 TB2−
23 TB2+
24 GND
25 GND
26 TC2−
27 TC2+
28 TCLK2−
29 TCLK2+
30 GND
31 GND
32 TD2−
33 TD2+
34 TE2−
35 TE2+
36 GND
37 GND
38 TXDOUT
39 RXDIN
40 GND
41 GND
DIGITAL PWB
ASS'Y (11/16)
CN0LV1
(SHEET19)
EF3002
*EF2
RB3002
OPT
EF3001
*EF2
GND1
C3013
0.1
PS
C3012
0.1
PS
K3004
NQR0504-001X
R3007
100
R3008 100
R3009 100
K3005
NQR0504-001X
C3014
0.1
PS
R3010 100
R3011 100
K3006
NQR0504-001X
R3012
100
C3015
0.1
PS
IC3002
THC63LVD104AF
LVDS-RGB
CONVERT
C3010
0.1
PS
R3023
10K
R3024
3.3K
R3025
3.3K
R3026 0
C3009 0.1 PS
R3027 OPT
R3028 100
GND1
GND1
RXD
TXD
LVDSCTL
SHEET31


VCC3F
C3016
10/6.3
K3012
*K1
NCB10JK-106X
C3017
0.1
PS
MEMORY
IC3003
HY57V643220DTP7
MEMORY
IC3004
HY57V643220DTP7
SHEET26
SHEET26
SHEET26
GND1
R3020 10
R3019 10
R3021 10
R3022 10
C3004 0.1 PS
C3011 0.1 PS
R3029 0
R3030 0
RIN14
RIN15
RIN16
RIN17
RIN18
RIN19
GIN14
GIN15
GIN16
GIN17
GIN18
GIN19
BIN14
BIN15
CLKIN1
BIN16
BIN17
BIN18
BIN19
HDIN1
VDIN1
DEIN1
RIN12
RIN13
GIN12
GIN13
BIN12
BIN13
OSDYS1
RIN10
RIN11
GIN10
GIN11
BIN10
BIN11
NA1
RIN24
RIN25
RIN26
RIN27
RIN28
RIN29
GIN24
GIN25
GIN26
GIN27
GIN28
GIN29
BIN24
BIN25
CLKIN2
BIN26
BIN27
BIN28
BIN29
HDIN2
VDIN2
DEIN2
RIN22
RIN23
GIN22
GIN23
BIN22
BIN23
OSDYS2
RIN20
RIN21
GIN20
GIN21
BIN20
BIN21
NA2
VDD
DQ0
VDDQ
DQ1
DQ2
VSSQ
DQ3
DQ4
DQ5
DQ6
DQ7
(NC)
DQM0
/WE
/CAS
/RAS
/CS
BA0
BA1
A10/AP
A0
A1
A2
DQM2
DQ16
DQ17
DQ18
DQ19
DQ20
DQ21
DQ22
DQ23
VSS
DQ15
DQ14
DQ13
DQ12
DQ11
DQ10
DQ9
DQ8
DQM1
CLK
CKE
A9
A8
A7
A6
A5
A4
A3
DQM3
DQ31
DQ30
DQ29
DQ28
DQ27
DQ26
DQ25
DQ24
MA_CK
MA_CKE
MB_CK
MB_CKE

c10428004_0930_4/9_0.0

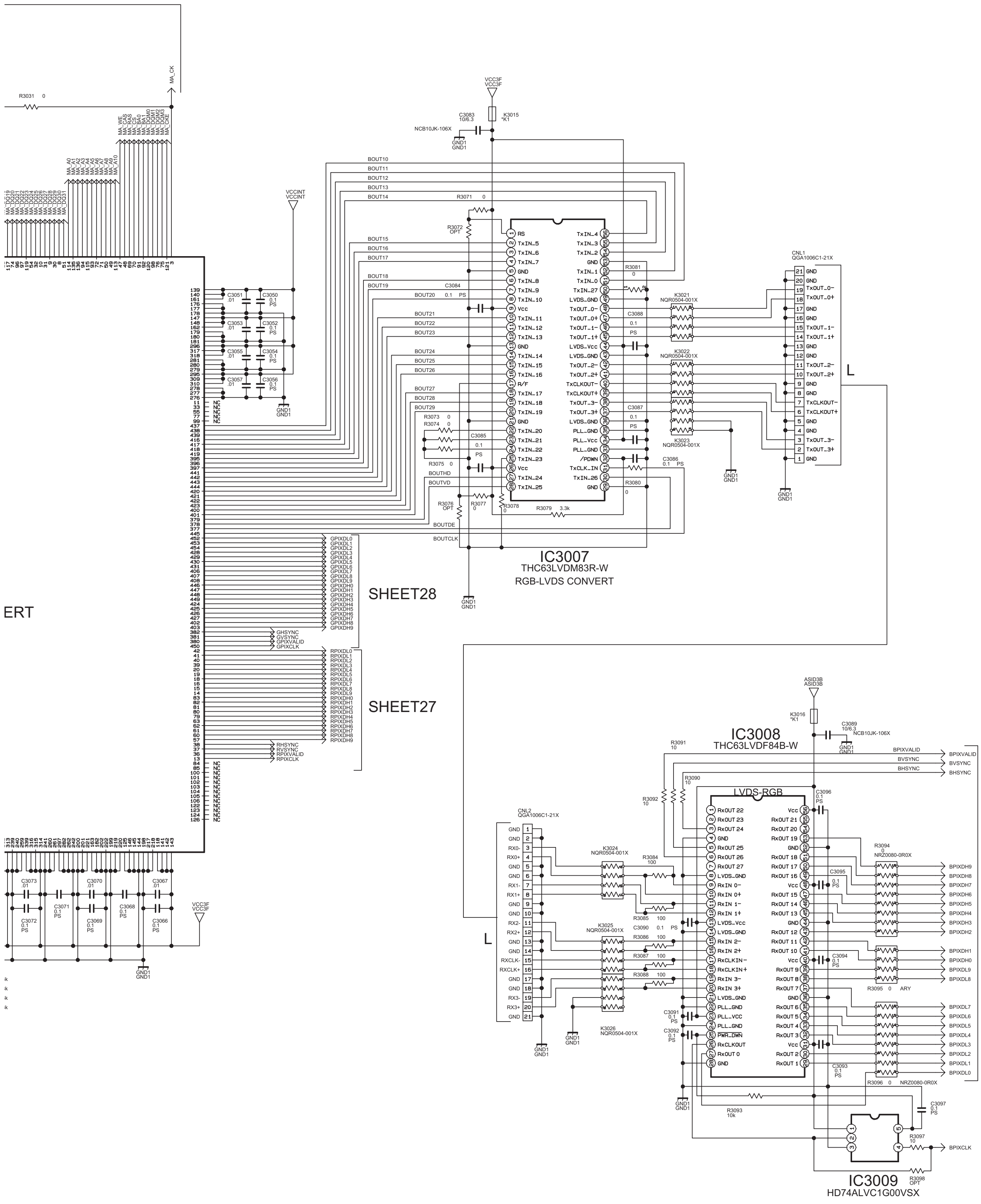
DRIVE PWB CIRCUIT DIAGRAM (2/9) [FPGA_INPUT] SHEET 26

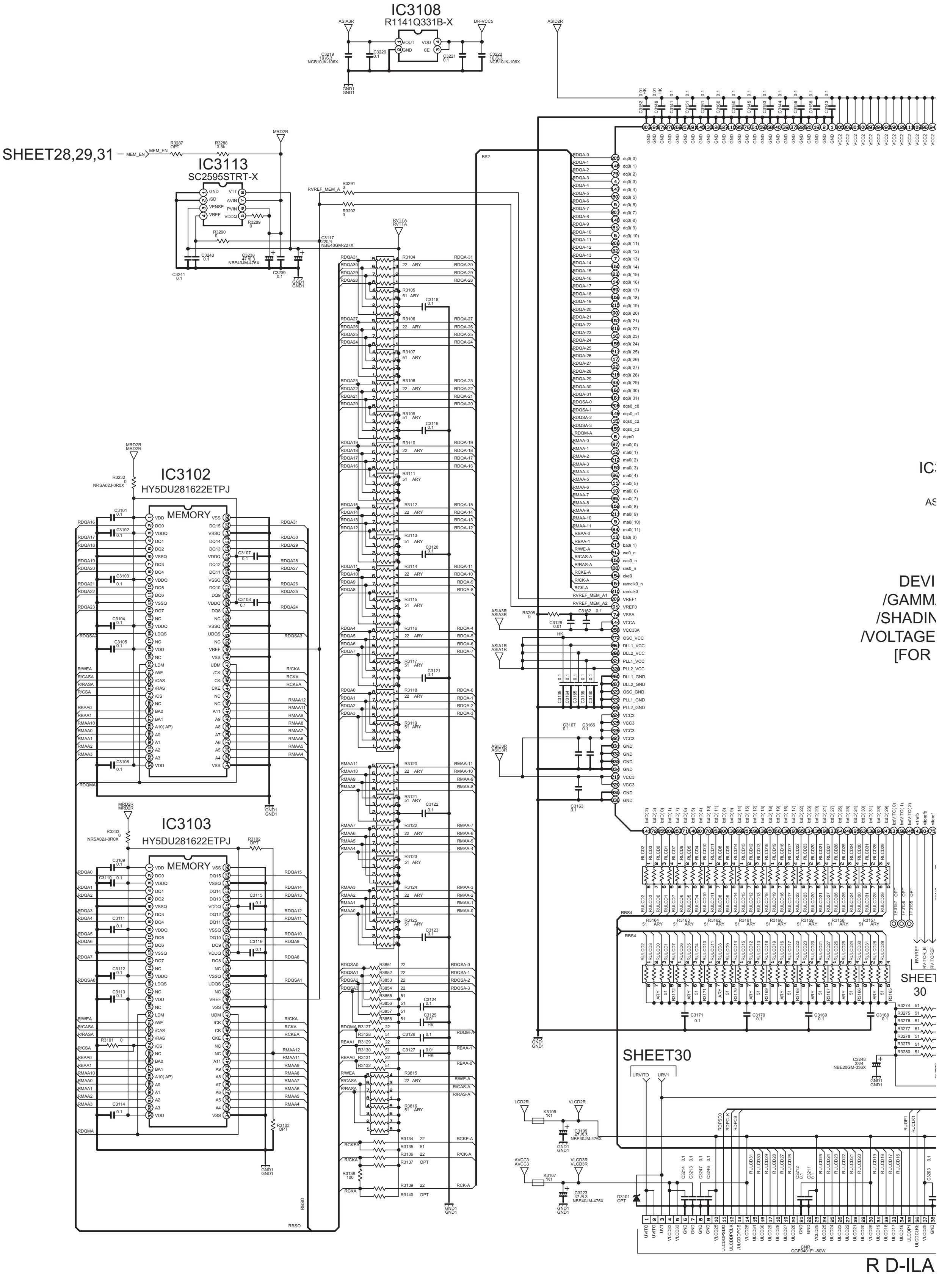


SHEET25
TP3001 OPT
VCC3F
K3013 *K1
NCB10JK-106X
C3078 10/6.3
C3079 0.1 PS
R3035 0
R3034 10
X3001
NAX0587-001X
GND1
R3033 0
R3032 0
MB_CK
IC3006
XCF04SVOG20C-X
K3014 *K1
C3082 0.1 PS
CNJIG2
QGA2001C6-06X
OPEN
TCK
TMS
TDI
TDO
VCC
GND
R3044 10 ARY
R3045 0 ARY
R3046 OPT
C3080 0.1 PS
C3081 0.1 PS
D0
(NC)
CLK
TDI
TMS
TCK
/CF
OE/RESET
(NC)
/CE
VCCJ
VCCO
VCCINT
TDO
(NC)
(NC)
(NC)
/CEO
(NC)
GND
R3053
R3055
R3057
R3058
R3059
R3060
R3061
R3062
R3063
R3054 330
R3056 4.7k
R3051 OPT
R3047 0
R3048 56
R3049 56
R3050 0
R3052 56
VCCAUX
C3042 0.1 PS
C3043 0.1 PS
C3044 0.1 PS
C3045 0.1 PS
C3046 0.1 PS
C3047 0.1 PS
C3048 0.1 PS
C3049 0.1 PS
TDI
DONE
INIT
PROG
DIN
CCLK
TCK
TMS
TDO
DOUT
RDWR_B
CS
HSWAP_EN
M0
M1
M2
TP3002 OPT
R3064 0
R3065 0
R3066 0
R3067 0
R3068 0
R3069 0
CLKIN1
CLKIN2
RIN10-RIN19
GIN10-GIN19
BIN10-BIN19
HDIN1
VDIN1
DEIN1
OSDYS1
NA1
RIN20-RIN29
GIN20-GIN29
BIN20-BIN29
HDIN2
VDIN2
DEIN2
OSDYS2
NA2
NC
IC3005
XC3S10004FGG456
1PHASE-2PHASE CONVERT
& OVER DRIVE
DR-VCC3
K3950 *K1
CA3980 100 /6.3
NBE50JM-107X
C3801 0.1 PS
C3802 0.1 PS
C3803 0.1 PS
C3804 0.1 PS
C3805 0.1 PS
SHEET25
IC3930
R1170H251B-X
CE
GND
NC
OUT
VDD
CA3981 0.1 PS
CA3982 47/6.3
NBE40JM-476X
K3951 *K1
CA3983 0.1 PS
R3985 10k
R3986 OPT
CA3984 0.1 PS
CA3985 10/6.3
NCB10JK-106X
IC3931
MM1701CH-X
VCCINT
OUT
NC
GND
CN
IN
NC
NC
CTL
R3987 10k
K3952 *K1
CA3986 100/6.3
NBE50JM-107X
CA3987 0.1 PS
CA3988 0.1 PS
CA3989 0.1 PS
CA3991 10/6.3
NCB10JK-106X
R3988 OPT
CA3990 0.1 PS
C3058 0.1 PS
C3059 0.1 PS
C3060 0.1 PS
C3061 0.1 PS
C3062 0.1 PS
C3063 0.1 PS
C3064 0.1 PS
C3065 0.1 PS
TP3007 OPT
TP3008 OPT
TP3009 OPT
TP3010 OPT
R3070 51
CPU_V
C3076 .01
C3077 0.1 PS
C3074 0.1 PS
C3075 0.1 PS
SHEET31
R3040 3.3k
R3041 3.3k
R3042 OPT
R3043 OPT
Q3001
2SK1374-X
Q3002
2SK1374-X
TP3003 OPT R3036 3.3k
TP3004 OPT R3037 3.3k
TP3005 OPT R3038 3.3k
TP3006 OPT R3039 3.3k
CTL1
CTL2
CTL3
CTL4
CTL5
CTL6
SDA_F
SCL_F
SHEET31

DRIVE PWB ASS'Y(2/9)

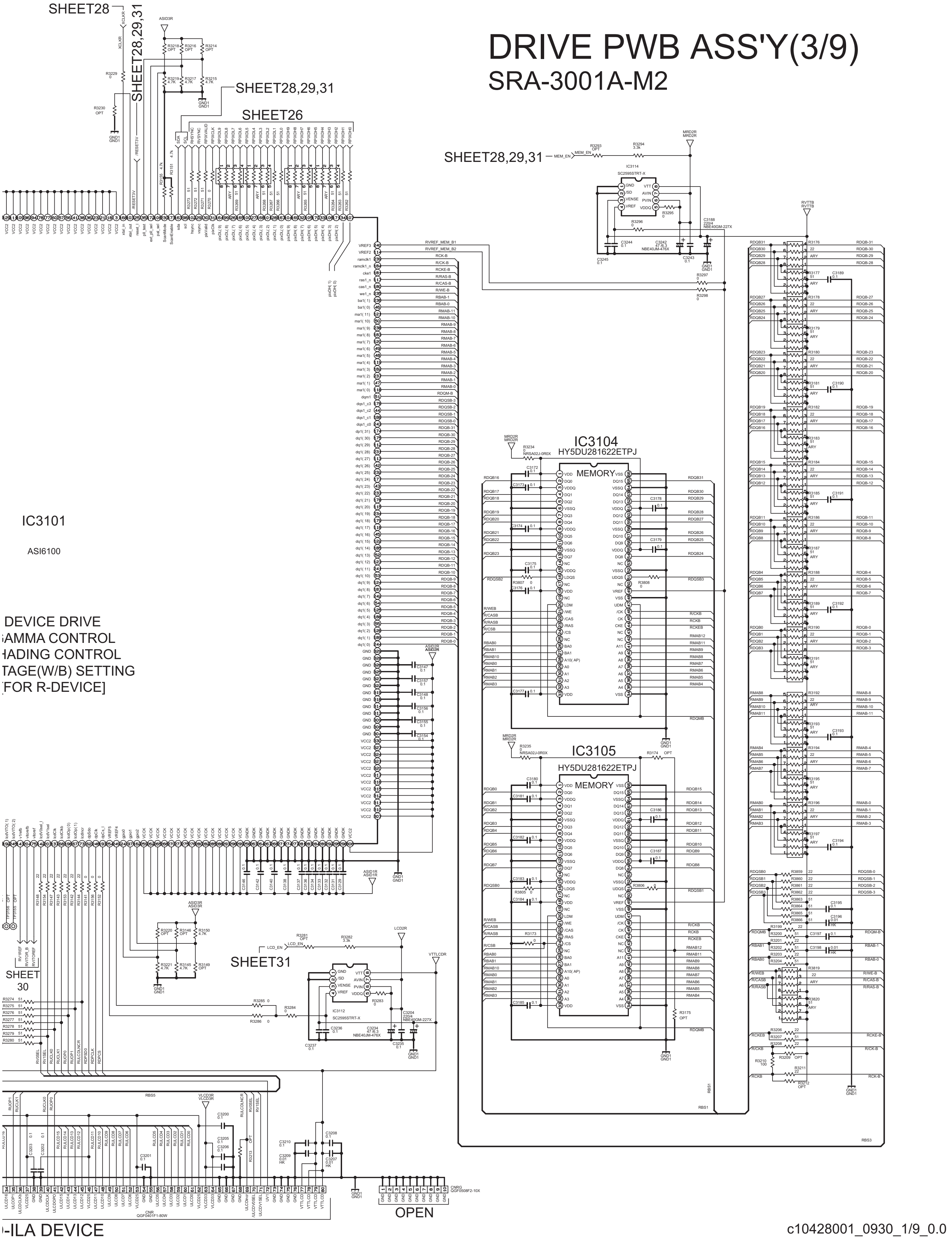
SRA-3001A-M2


IC3007
THC63LVDM83R-W
RGB-LVDS CONVERT
IC3008
THC63LVDF84B-W
LVDS-RGB
IC3009
HD74ALVC1G00VSX
CNL1
QGA1006C1-21X
CNL2
QGA1006C1-21X
SHEET27
SHEET28
SHEET29
ERT
L
VCC3F
VCCINT
ASID3B
GND1
K3015
K3016
K3021
K3022
K3023
K3024
K3025
K3026
NQR0504-001X
NCB10JK-106X
NRZ0080-0R0X
BOUT10
BOUT11
BOUT12
BOUT13
BOUT14
BOUT15
BOUT16
BOUT17
BOUT18
BOUT19
BOUT20
BOUT21
BOUT22
BOUT23
BOUT24
BOUT25
BOUT26
BOUT27
BOUT28
BOUT29
BOUTHD
BOUTVD
BOUTDE
BOUTCLK
GHSYNC
GVSYNC
GPIXVALID
GPIXCLK
RHSYNC
RVSYNC
RPIXVALID
RPIXCLK
BPIXVALID
BVSYNC
BHSYNC
BPIXCLK
MA_CK
R3031 0


IC3108
R1141Q331B-X
ASIA3R
DR-VCC5
ASID2R
SHEET28,29,31
MEM_EN
R3287
R3288
MRD2R
IC3113
SC2595STRT-X
RVREF_MEM_A
RVTTA
BS2
IC3102
HY5DU281622ETPJ
MEMORY
IC3103
HY5DU281622ETPJ
MEMORY
RBSO
DEVI
/GAMM
/SHADIN
/VOLTAGE
[FOR
IC
AS
SHEET30
URVITO
URV1
RBS4
SHEET
30
LCD2R
VLCD2R
AVCC3
VLCD3R
CNR
QGF0401F1-80W
R D-ILA

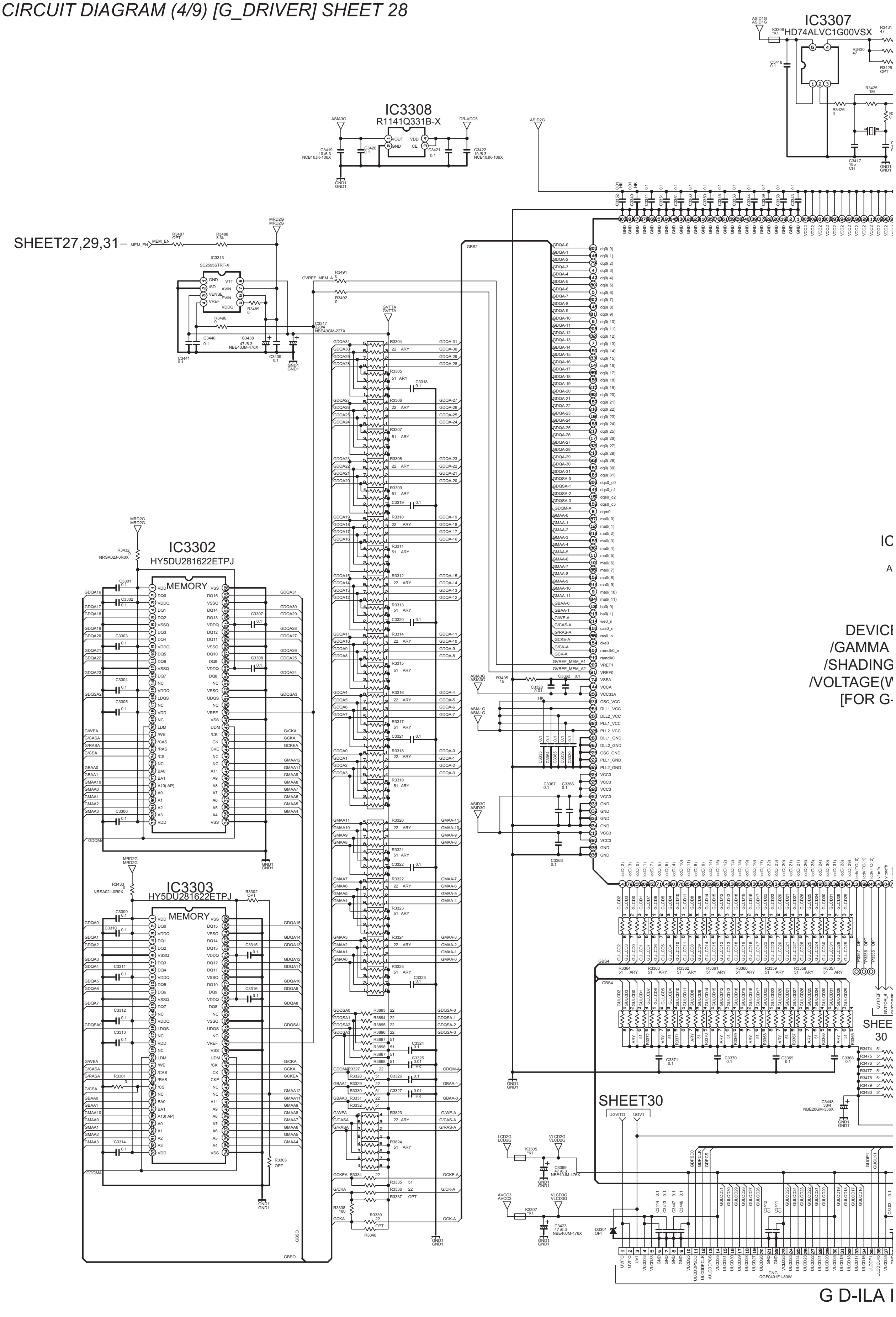
DRIVE PWB ASS'Y(3/9)

SRA-3001A-M2


SHEET28
SHEET28,29,31
SHEET28,29,31
SHEET26
SHEET28,29,31
IC3114
SC2595STRT-X
IC3101
ASI6100
DEVICE DRIVE
AMMA CONTROL
HADING CONTROL
TAGE(W/B) SETTING
[FOR R-DEVICE]
IC3104
HY5DU281622ETPJ
MEMORY
IC3105
HY5DU281622ETPJ
MEMORY
SHEET31
IC3112
SC2595STRT-X
SHEET
30
CNR
QGF0401F1-80W
CNRG
QGF0508F2-10X
OPEN
-ILA DEVICE

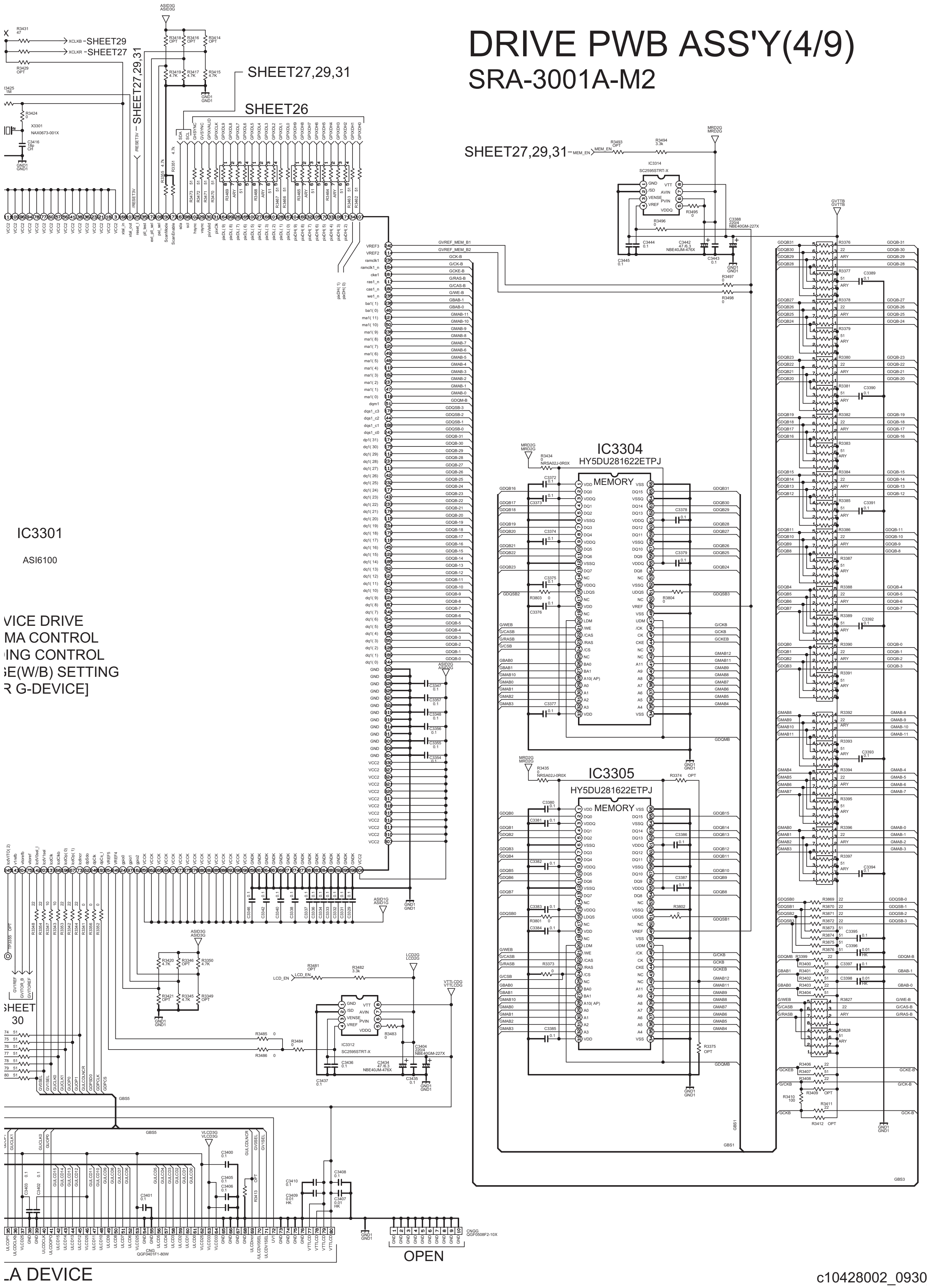
c10428001_0930_1/9_0.0

DRIVE PWB CIRCUIT DIAGRAM (4/9) [G_DRIVER] SHEET 28


IC3307
HD74ALVC1G00VSX
IC3308
R1141Q331B-X
SHEET27,29,31
MEM_EN
IC3313
SC2595STRT-X
GVREF_MEM_A
GVTTA
IC3302
HY5DU281622ETPJ
MEMORY
IC3303
HY5DU281622ETPJ
MEMORY
GBS0
GBS2
GBS4
IC
DEVICE
/GAMMA
/SHADING
/VOLTAGE(W
[FOR G-
SHEET 30
SHEET30
UGVITO
UGV1
CNG
QGF0401F1-80W
G D-ILA I
GND1
ASIA3G
ASIA1G
ASID3G
ASID1G
MRD2G
DR-VCC5
LCD2G
VLCD2G
AVCC3
VLCD3G

DRIVE PWB ASS'Y(4/9)

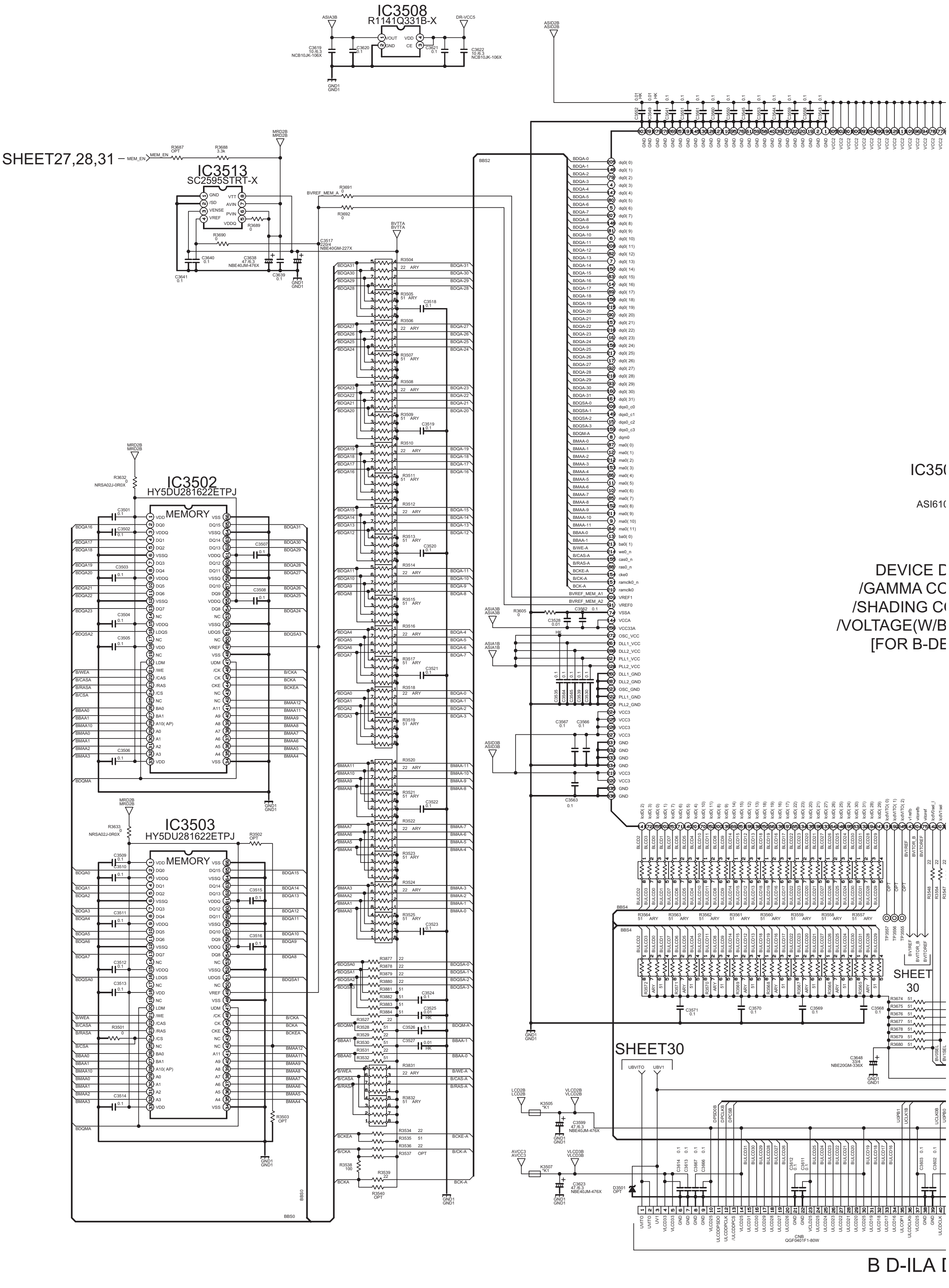
SRA-3001A-M2


SHEET29
SHEET27
SHEET27,29,31
SHEET26
SHEET27,29,31
IC3301
ASI6100
VICE DRIVE
MA CONTROL
ING CONTROL
SE(W/B) SETTING
R G-DEVICE]
IC3314
SC2595STRT-X
IC3304
HY5DU281622ETPJ
MEMORY
IC3305
HY5DU281622ETPJ
MEMORY
IC3312
SC2595STRT-X
X3301
NAX0673-001X
SHEET
30
CNG
QGF0401F1-80W
CNGG
QGF0508F2-10X
OPEN
LA DEVICE

c10428002_0930_2/9_0.0

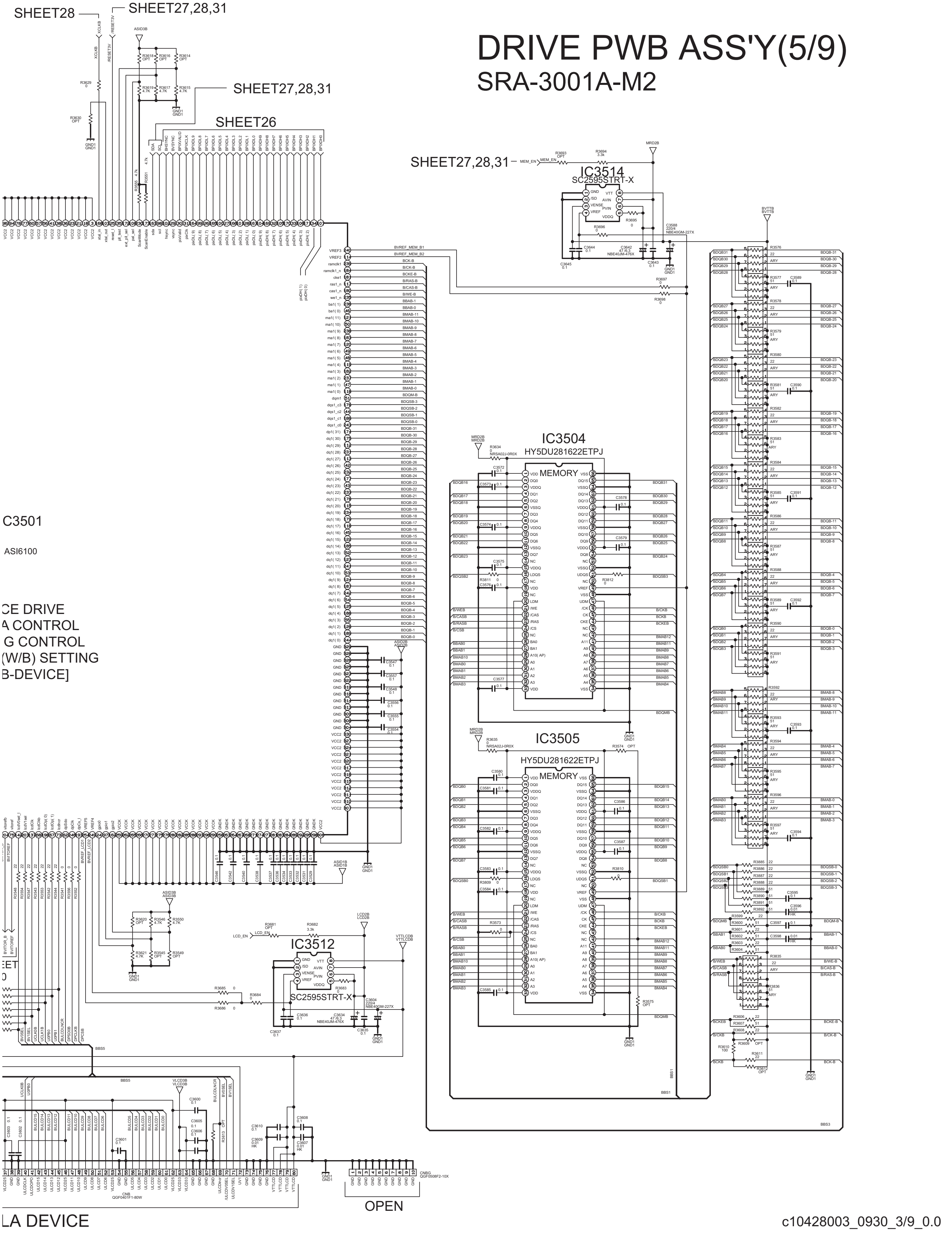
DRIVE PWB CIRCUIT DIAGRAM (5/9) [B_DRIVER] SHEET 29

SH

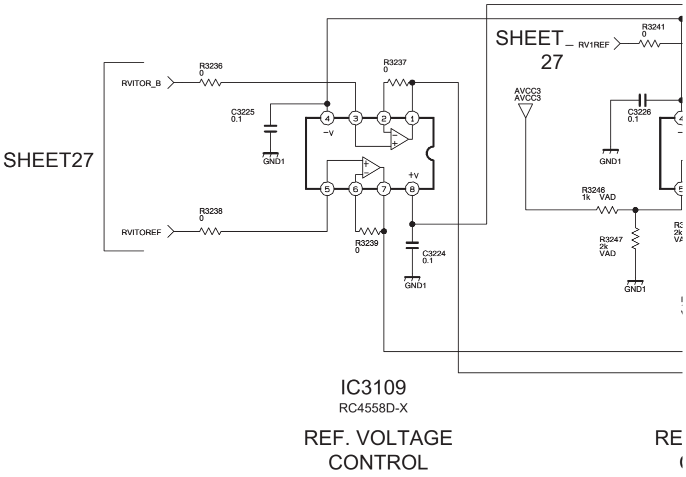

IC3508
R1141Q331B-X
IC3513
SC2595STRT-X
SHEET27,28,31
MEM_EN
IC3502
HY5DU281622ETPJ
MEMORY
IC3503
HY5DU281622ETPJ
MEMORY
IC350
ASI610
DEVICE D
/GAMMA CO
/SHADING CO
/VOLTAGE(W/B
[FOR B-DE
SHEET 30
SHEET30
CNB
QGF0401F1-80W
B D-ILA D
BBS0
BBS2
BBS4
GND1

DRIVE PWB ASS'Y(5/9)

SRA-3001A-M2

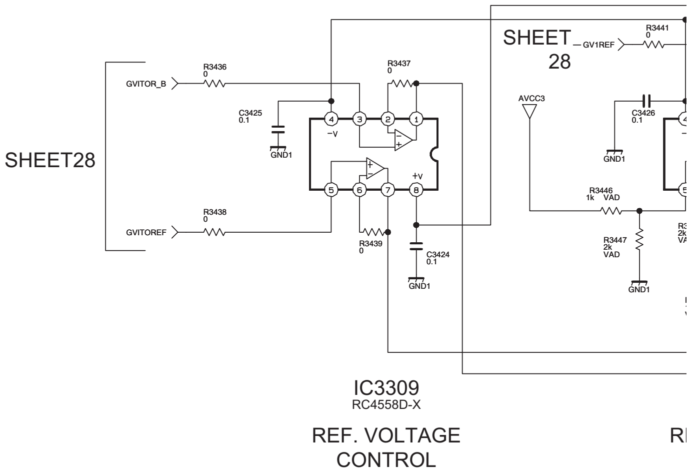

SHEET28
SHEET27,28,31
SHEET27,28,31
SHEET26
SHEET27,28,31
IC3514
SC2595STRT-X
IC3504
HY5DU281622ETPJ
MEMORY
IC3505
HY5DU281622ETPJ
MEMORY
IC3512
SC2595STRT-X
C3501
ASI6100
CE DRIVE
A CONTROL
G CONTROL
(W/B) SETTING
B-DEVICE]
CNB
QGF0401F1-80W
CNBG
QGF0508F2-10X
OPEN
BBS1
BBS3
BBS5
LA DEVICE

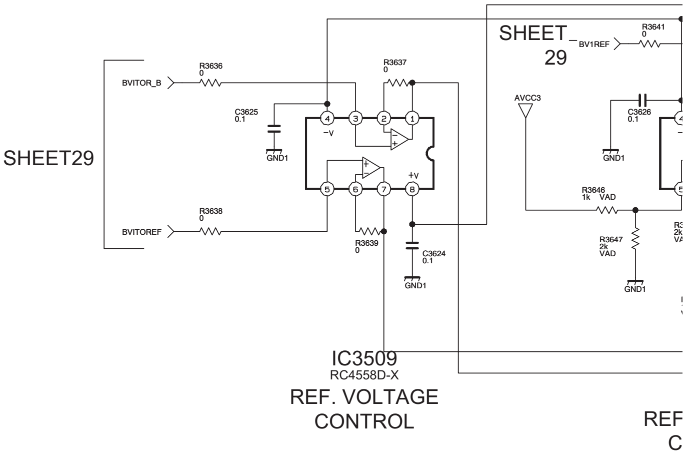
c10428003_0930_3/9_0.0

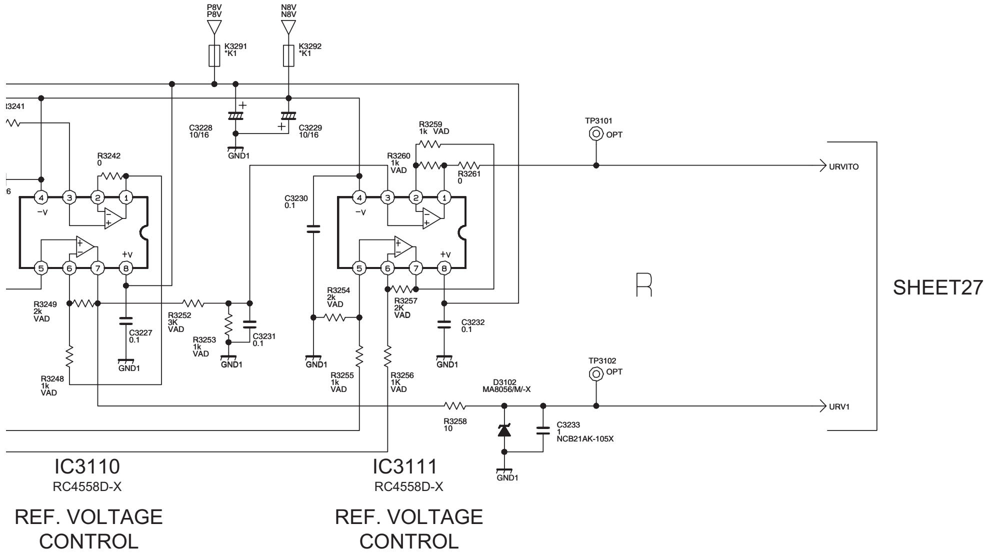

SHEET27
RVITOR_B
RVITOREF
R3236
0
R3237
0
R3238
0
R3239
0
C3225
0.1
C3224
0.1
GND1
-V
+V
SHEET
27
RV1REF
R3241
0
AVCC3
C3226
0.1
R3246
1k VAD
R3247
2k
VAD
IC3109
RC4558D-X
REF. VOLTAGE
CONTROL

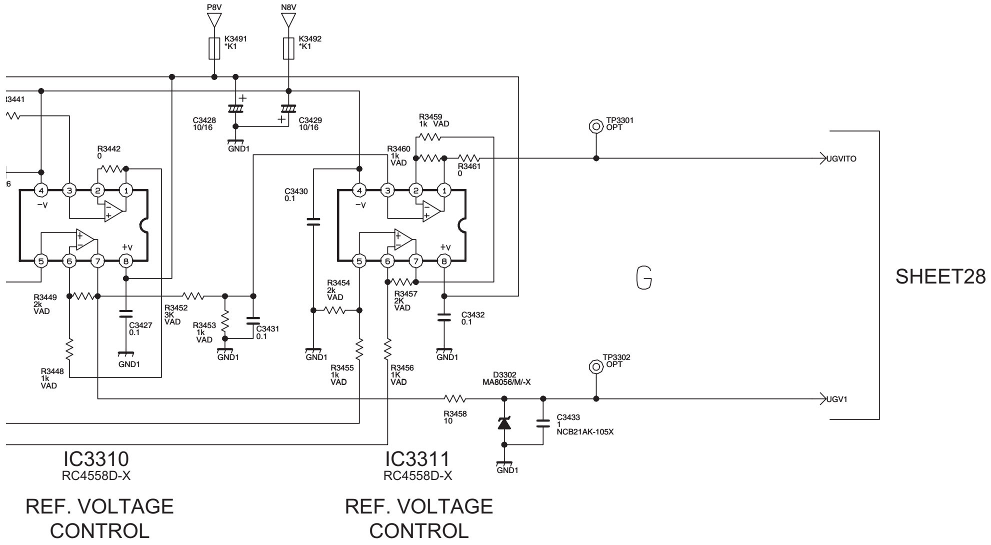
DRIVE PWB ASS'Y(6/9)

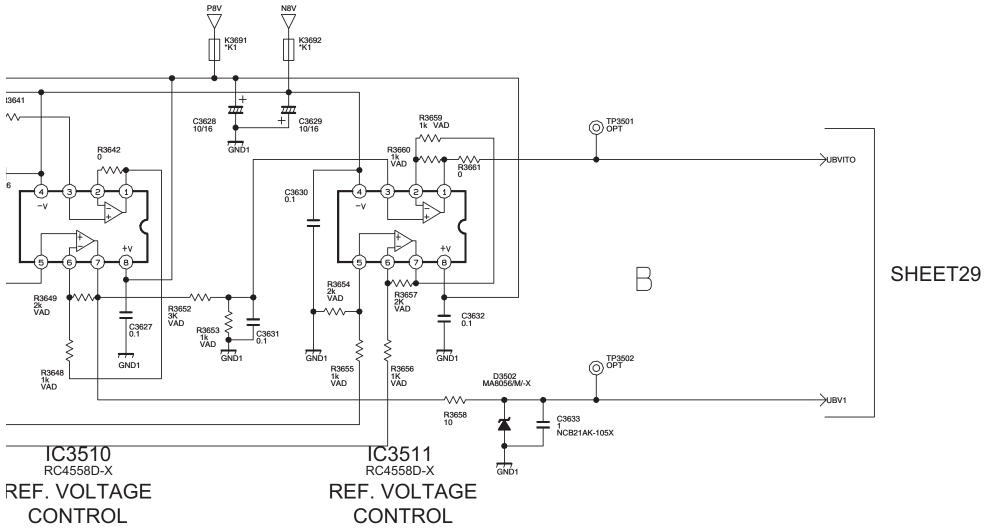
SRA-3001A-M2


SHEET28
GVITOR_B
GVITOREF
R3436
0
R3437
0
R3438
0
R3439
0
C3425
0.1
C3424
0.1
GND1
-V
+V
SHEET
28
GV1REF
R3441
0
AVCC3
C3426
0.1
R3446
1k VAD
R3447
2k
VAD
IC3309
RC4558D-X
REF. VOLTAGE
CONTROL


SHEET29
BVITOR_B
BVITOREF
R3636
0
R3637
0
R3638
0
R3639
0
C3625
0.1
C3624
0.1
GND1
-V
+V
SHEET
29
BV1REF
R3641
0
AVCC3
C3626
0.1
R3646
1k VAD
R3647
2k
VAD
IC3509
RC4558D-X
REF. VOLTAGE
CONTROL

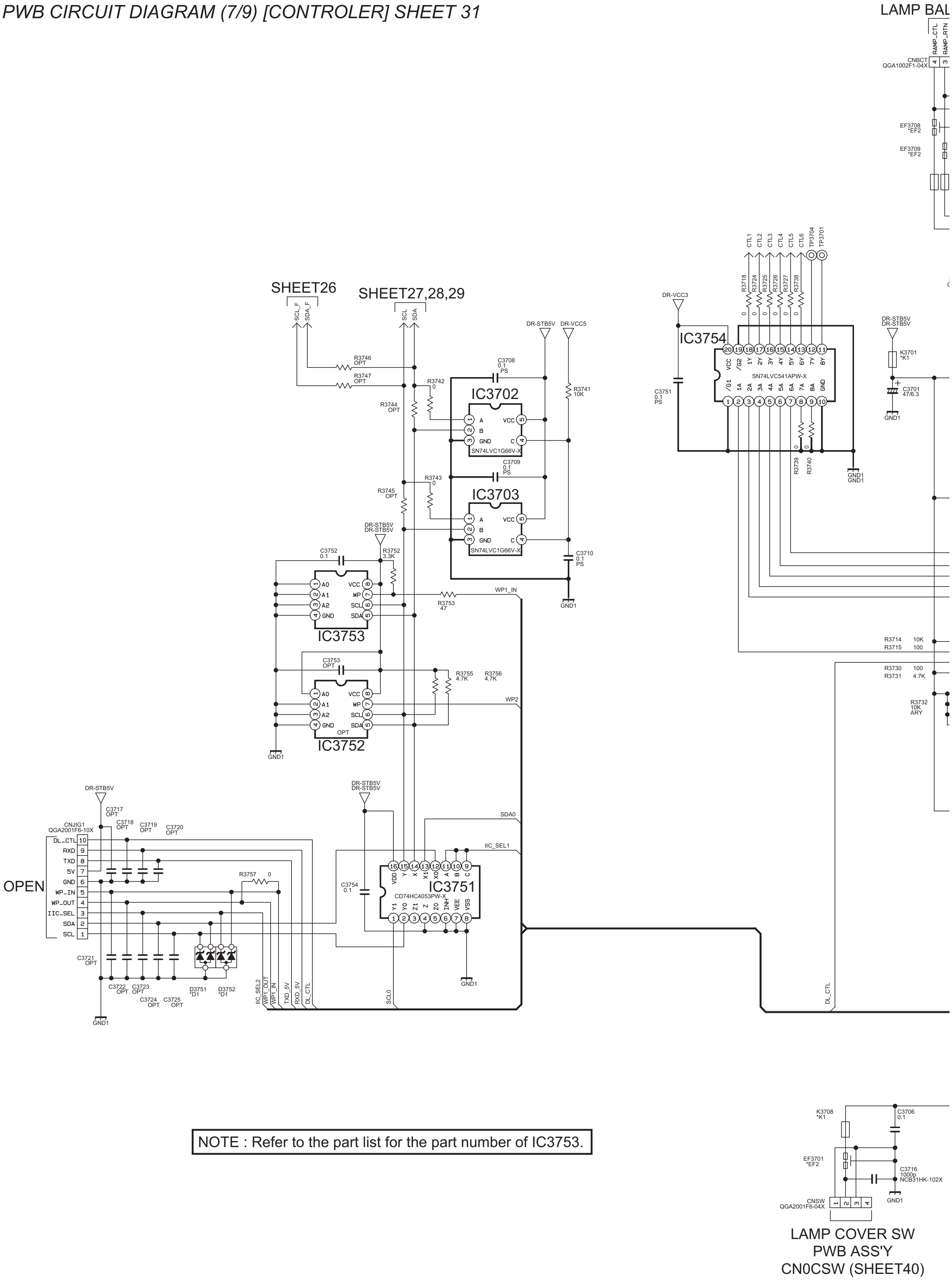

P8V
N8V
K3291 *K1
K3292 *K1
3241
C3228 10/16
C3229 10/16
GND1
R3242 0
R3259 1k VAD
R3260 1k VAD
R3261 0
TP3101 OPT
URVITO
C3230 0.1
-V
+V
R3249 2k VAD
R3252 3K VAD
R3253 1k VAD
C3227 0.1
C3231 0.1
R3248 1k VAD
R3254 2k VAD
R3257 2K VAD
C3232 0.1
R3255 1k VAD
R3256 1K VAD
D3102 MA8056/M/-X
TP3102 OPT
R3258 10
C3233 1 NCB21AK-105X
URV1
R
SHEET27
IC3110
RC4558D-X
REF. VOLTAGE CONTROL
IC3111
RC4558D-X
REF. VOLTAGE CONTROL


P8V
N8V
K3491 *K1
K3492 *K1
3441
C3428 10/16
C3429 10/16
GND1
R3442 0
R3459 1k VAD
R3460 1k VAD
R3461 0
TP3301 OPT
UGVITO
C3430 0.1
-V
+V
R3449 2k VAD
R3452 3K VAD
R3453 1k VAD
C3427 0.1
C3431 0.1
R3448 1k VAD
R3454 2k VAD
R3457 2K VAD
C3432 0.1
R3455 1k VAD
R3456 1K VAD
D3302 MA8056/M/-X
TP3302 OPT
R3458 10
C3433 1 NCB21AK-105X
UGV1
G
SHEET28
IC3310
RC4558D-X
REF. VOLTAGE CONTROL
IC3311
RC4558D-X
REF. VOLTAGE CONTROL


P8V
N8V
K3691 *K1
K3692 *K1
3641
C3628 10/16
C3629 10/16
GND1
R3642 0
R3659 1k VAD
R3660 1k VAD
R3661 0
TP3501 OPT
UBVITO
C3630 0.1
-V
+V
R3649 2k VAD
R3652 3K VAD
R3653 1k VAD
C3627 0.1
C3631 0.1
R3648 1k VAD
R3654 2k VAD
R3657 2K VAD
C3632 0.1
R3655 1k VAD
R3656 1K VAD
D3502 MA8056/M/-X
TP3502 OPT
R3658 10
C3633 1 NCB21AK-105X
UBV1
B
SHEET29
IC3510
RC4558D-X
REF. VOLTAGE CONTROL
IC3511
RC4558D-X
REF. VOLTAGE CONTROL

c10428007_0930_7/9_0.0

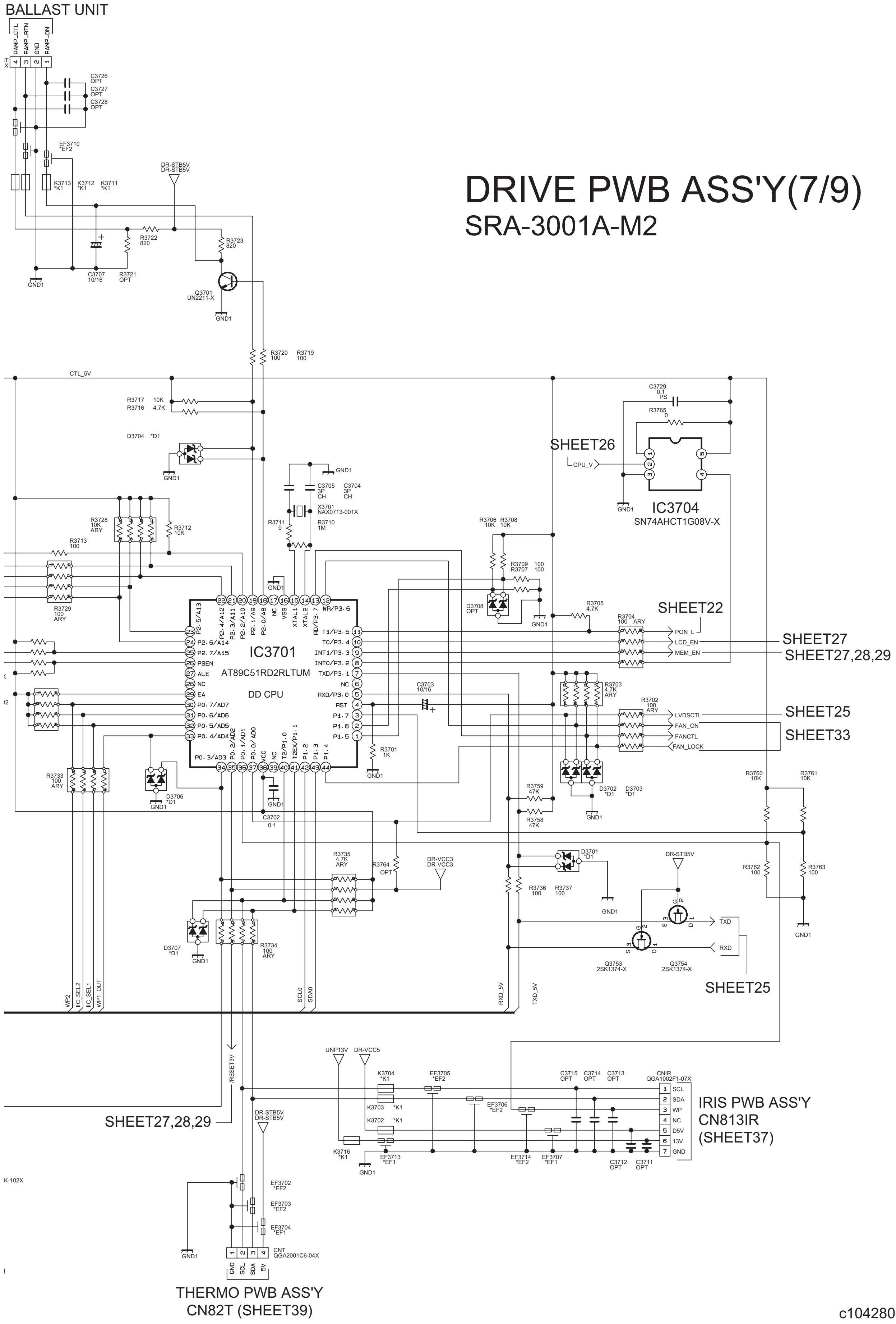
DRIVE PWB CIRCUIT DIAGRAM (7/9) [CONTROLER] SHEET 31


LAMP BAL
RAMP_CTL
RAMP_RTN
CNBCT
QGA1002F1-04X
EF3708
*EF2
EF3709
*EF2
CTL1
CTL2
CTL3
CTL4
CTL5
CTL6
TP3704
TP3701
R3718
R3724
R3725
R3726
R3727
R3738
DR-VCC3
IC3754
SN74LVC541APW-X
VCC
/G2
1Y
2Y
3Y
4Y
5Y
6Y
7Y
8Y
/G1
1A
2A
3A
4A
5A
6A
7A
8A
GND
C3751
0.1
PS
R3739
R3740
GND1
DR-STB5V
K3701
*K1
C3701
47/6.3
SHEET26
SCL_F
SDA_F
SHEET27,28,29
SCL
SDA
R3746
OPT
R3747
OPT
R3742
0
R3744
OPT
C3708
0.1
PS
DR-VCC5
R3741
10K
IC3702
SN74LVC1G66V-X
A
B
GND
VCC
C
C3709
0.1
PS
R3743
0
R3745
OPT
IC3703
SN74LVC1G66V-X
C3710
0.1
PS
C3752
0.1
R3752
3.3K
A0
A1
A2
WP
SCL
SDA
R3753
47
WP1_IN
IC3753
C3753
OPT
R3755
4.7K
R3756
4.7K
WP2
IC3752
R3714
10K
R3715
100
R3730
100
R3731
4.7K
R3732
10K
ARY
CNJIG1
QGA2001F6-10X
C3717
OPT
C3718
OPT
C3719
OPT
C3720
OPT
DL_CTL
RXD
TXD
5V
WP_IN
WP_OUT
IIC_SEL
OPEN
R3757
0
SDA0
IIC_SEL1
C3754
0.1
IC3751
CD74HC4053PW-X
VDD
Y
X
X1
X0
INH
VEE
VSS
Y1
Y0
Z1
Z
Z0
C3721
OPT
C3722
OPT
C3723
OPT
C3724
OPT
C3725
OPT
D3751
*D1
D3752
*D1
IIC_SEL2
WP1_OUT
WP1_IN
TXD_5V
RXD_5V
SCL0
K3708
*K1
C3706
0.1
EF3701
*EF2
C3716
1000p
NCB31HK-102X
CNSW
QGA2001F6-04X
LAMP COVER SW
PWB ASS'Y
CN0CSW (SHEET40)

NOTE : Refer to the part list for the part number of IC3753.

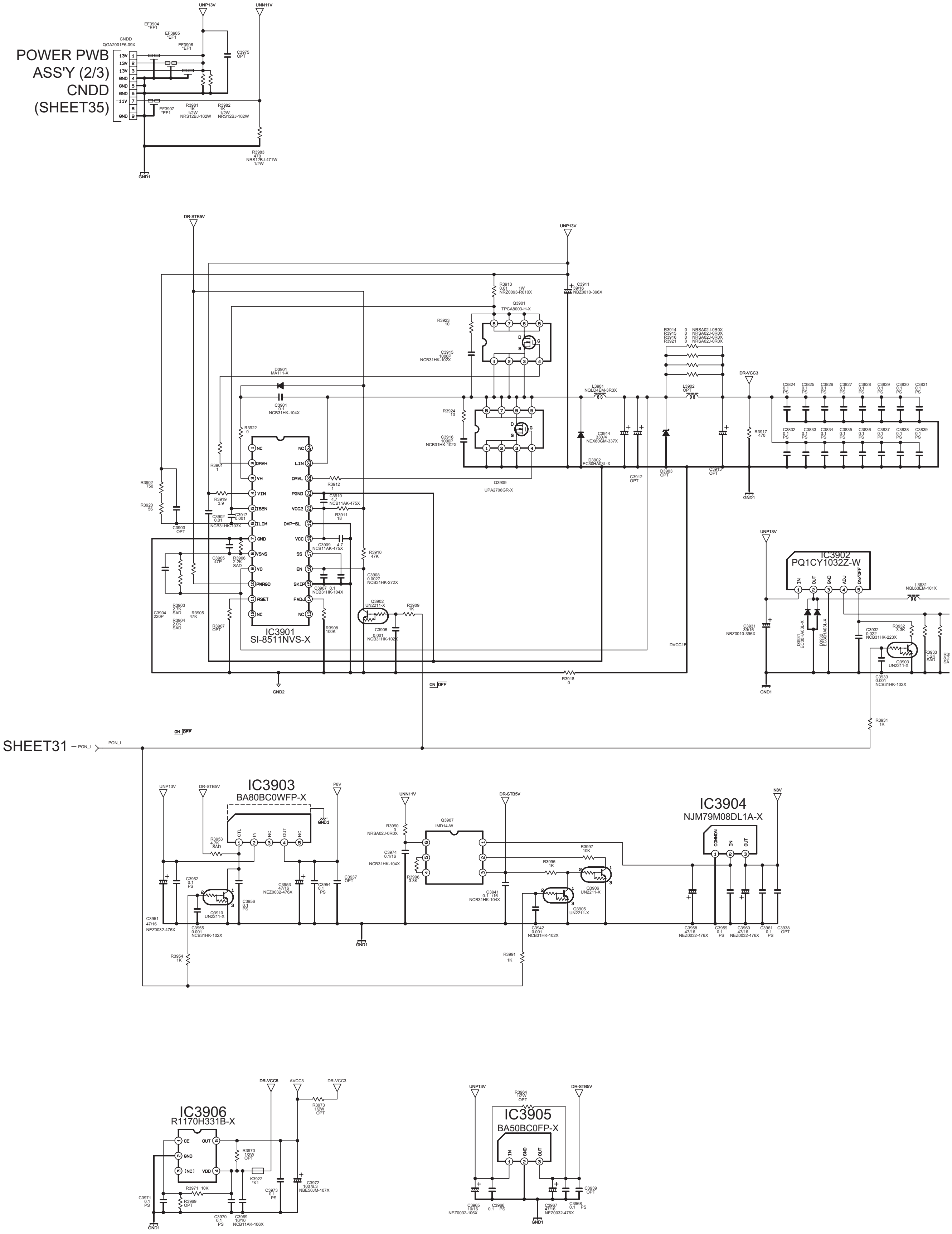
DRIVE PWB ASS'Y(7/9)

SRA-3001A-M2

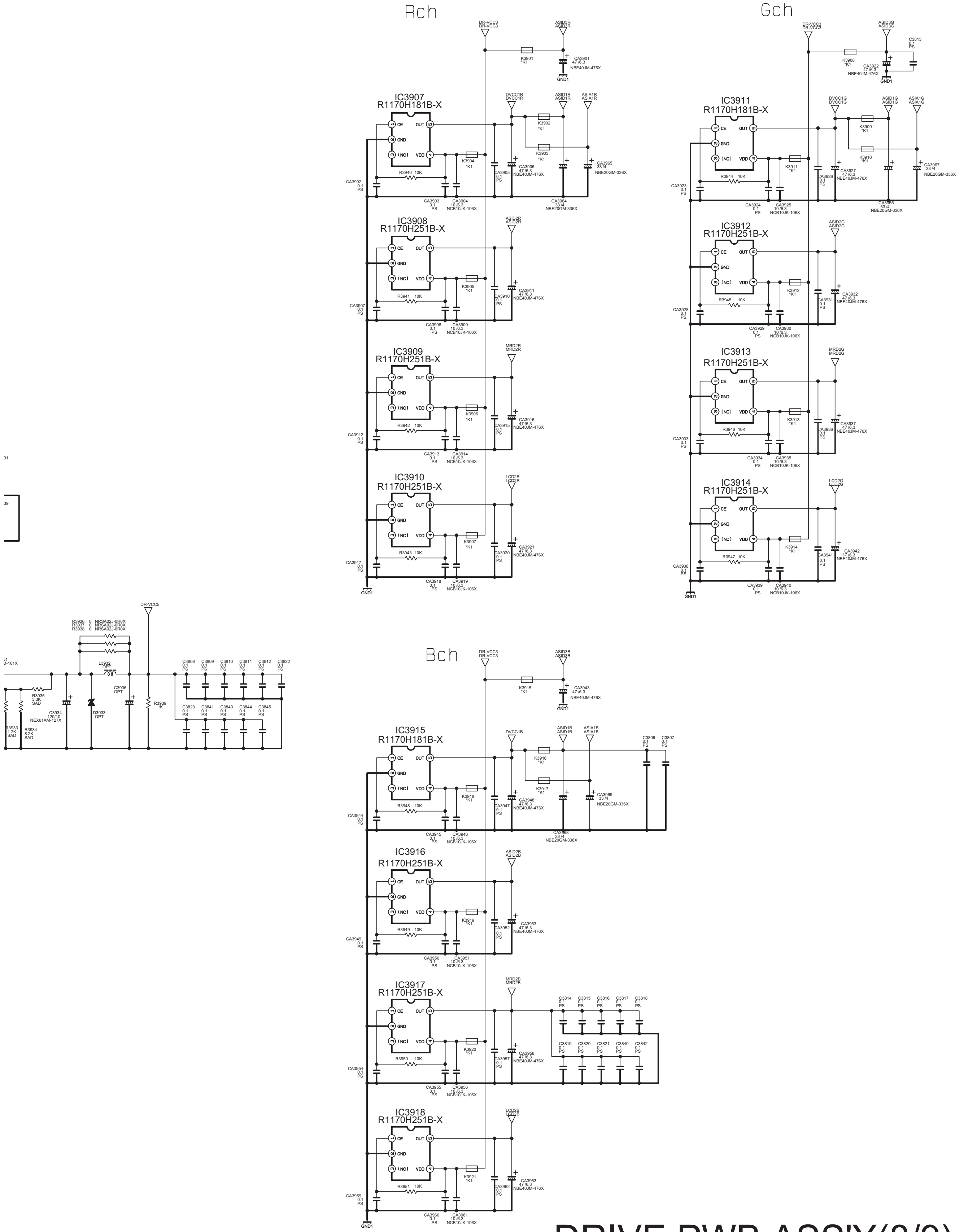

BALLAST UNIT
RAMP_CTL
RAMP_RTN
GND
RAMP_ON
C3726 OPT
C3727 OPT
C3728 OPT
EF3710 *EF2
K3713 *K1
K3712 *K1
K3711 *K1
DR-STB5V
R3722 820
R3723 820
C3707 10/16
R3721 OPT
GND1
Q3701 UN2211-X
R3720 100
R3719 100
CTL_5V
R3717 10K
R3716 4.7K
D3704 *D1
C3705 3P CH
C3704 3P CH
X3701 NAX0713-001X
R3711 0
R3710 1M
R3728 10K ARY
R3712 10K
R3713 100
R3729 100 ARY
IC3701
AT89C51RD2RLTUM
DD CPU
C3703 10/16
R3701 1K
R3733 100 ARY
D3706 *D1
C3702 0.1
R3735 4.7K ARY
R3764 OPT
DR-VCC3
D3707 *D1
R3734 100 ARY
WP2
IIC_SEL2
IIC_SEL1
WP1_OUT
SCL0
SDA0
RXD_5V
TXD_5V
/RESET3V
SHEET27,28,29
C3729 0.1 PS
R3765 0
SHEET26
CPU_V
IC3704
SN74AHCT1G08V-X
R3706 10K
R3708 10K
R3709 100
R3707 100
D3708 OPT
R3705 4.7K
R3704 100 ARY
SHEET22
PON_L
LCD_EN
MEM_EN
SHEET27
SHEET27,28,29
R3703 4.7K ARY
R3702 100 ARY
LVDSCTL
FAN_ON
FANCTL
FAN_LOCK
SHEET25
SHEET33
D3702 *D1
D3703 *D1
R3759 47K
R3758 47K
R3760 10K
R3761 10K
D3701 *D1
R3736 100
R3737 100
R3762 100
R3763 100
TXD
RXD
Q3753 2SK1374-X
Q3754 2SK1374-X
SHEET25
UNP13V
DR-VCC5
K3704 *K1
EF3705 *EF2
K3703 *K1
K3702 *K1
EF3706 *EF2
C3715 OPT
C3714 OPT
C3713 OPT
CNIR QGA1002F1-07X
SCL
SDA
WP
NC
D5V
13V
GND
K3716 *K1
EF3713 *EF1
EF3714 *EF2
EF3707 *EF1
C3712 OPT
C3711 OPT
IRIS PWB ASS'Y
CN813IR
(SHEET37)
EF3702 *EF2
EF3703 *EF2
EF3704 *EF1
CNT QGA2001C6-04X
GND
SCL
SDA
5V
THERMO PWB ASS'Y
CN82T (SHEET39)
K-102X

c10428006_0930_6/9_0.0

DRIVE PWB CIRCUIT DIAGRAM (8/9) [POWER REGULATOR] SHEET 32



POWER PWB
ASS'Y (2/3)
CNDD
(SHEET35)
CNDD
QGA2001F6-09X
EF3904 *EF1
EF3905 *EF1
EF3906 *EF1
EF3907 *EF1
UNP13V
UNN11V
C3975 OPT
R3981 1K 1/2W NRS12BJ-102W
R3982 1K 1/2W NRS12BJ-102W
R3983 470 NRS12BJ-471W 1/2W
GND1
DR-STB5V
UNP13V
R3913 0.01 1W NRZ0093-R010X
C3911 39/16 NBZ0010-396X
Q3901 TPCA8003-H-X
R3923 10
C3915 1000P NCB31HK-102X
R3924 10
C3916 1000P NCB31HK-102X
D3901 MA111-X
C3901 0.1 NCB31HK-104X
R3922 0
R3901 1
R3902 750
R3920 56
C3903 OPT
R3919 3.9
C3902 0.01 NCB31HK-103X
C3917 0.001
C3905 47P
R3906 2.2K SAD
R3903 2.7K SAD
R3904 2.0K SAD
R3905 47K
C3904 220P
R3907 OPT
R3912 1
C3910 4.7 NCB11AK-475X
R3911 18
C3909 4.7 NCB11AK-475X
C3907 0.1 NCB31HK-104X
C3908 0.0027 NCB31HK-272X
R3910 47K
R3908 100K
Q3902 UN2211-X
R3909 1K
C3906 0.001 NCB31HK-102X
IC3901
SI-8511NVS-X
NC DRVH VH VIN ISEN ILIM GND VSNS VO PWRGD RSET NC
NC LIN DRVL PGND VCC2 OVP-SL VCC SS EN SKIP FADJ NC
GND2
ON OFF
R3918 0
Q3909 UPA2708GR-X
L3901 NQLD4EM-3R3X
D3902 EC30HA03L-X
C3914 330/4 NEX60GM-337X
C3912 OPT
D3903 OPT
C3913 OPT
DVCC18
R3914 0 NRSA02J-0R0X
R3915 0 NRSA02J-0R0X
R3916 0 NRSA02J-0R0X
R3921 0 NRSA02J-0R0X
L3902 OPT
DR-VCC3
R3917 470
GND1
C3824 C3825 C3826 C3827 C3828 C3829 C3830 C3831 0.1 PS
C3832 C3833 C3834 C3835 C3836 C3837 C3838 C3839 0.1 PS
UNP13V
IC3902
PQ1CY1032Z-W
IN OUT GND ADJ ON/OFF
L3931 NQL63EM-101X
C3931 39/16 NBZ0010-396X
D3931 EC30HA03L-X
D3932 EC30HA03L-X
C3932 0.022 NCB31HK-223X
R3932 3.3K
R3933 1.2K SAD
Q3903 UN2211-X
C3933 0.001 NCB31HK-102X
GND1
R3931 1K
SHEET31
PON_L
ON OFF
UNP13V
DR-STB5V
IC3903
BA80BC0WFP-X
CTL IN NC OUT NC
P8V
GND1
R3953 4.7K SAD
C3952 0.1 PS
Q3910 UN2211-X
C3956 0.1 PS
C3953 47/16 NEZ0032-476X
C3954 0.1 PS
C3937 OPT
C3951 47/16 NEZ0032-476X
C3955 0.001 NCB31HK-102X
GND1
R3954 1K
UNN11V
DR-STB5V
R3990 0 NRSA02J-0R0X
Q3907 IMD14-W
C3974 0.1/16 NCB31HK-104X
R3996 3.3K
R3997 10K
R3995 1K
C3941 0.1 /16 NCB31HK-104X
Q3906 UN2211-X
Q3905 UN2211-X
C3942 0.001 NCB31HK-102X
R3991 1K
IC3904
NJM79M08DL1A-X
COMMON IN OUT
N8V
C3958 47/16 NEZ0032-476X
C3959 0.1 PS
C3960 47/16 NEZ0032-476X
C3961 0.1 PS
C3938 OPT
DR-VCC5
AVCC3
DR-VCC3
R3973 1/2W OPT
IC3906
R1170H331B-X
CE OUT GND (NC) VDD
R3970 1/2W OPT
K3922 *K1
R3971 10K
R3969 OPT
C3971 0.1 PS
C3970 0.1 PS
C3969 10/10 NCB11AK-106X
C3973 0.1 PS
C3972 100/6.3 NBE50JM-107X
GND1
UNP13V
R3964 1/2W OPT
DR-STB5V
IC3905
BA50BC0FP-X
IN GND OUT
C3965 10/16 NEZ0032-106X
C3966 0.1 PS
C3967 47/16 NEZ0032-476X
C3968 0.1 PS
C3939 OPT
GND1

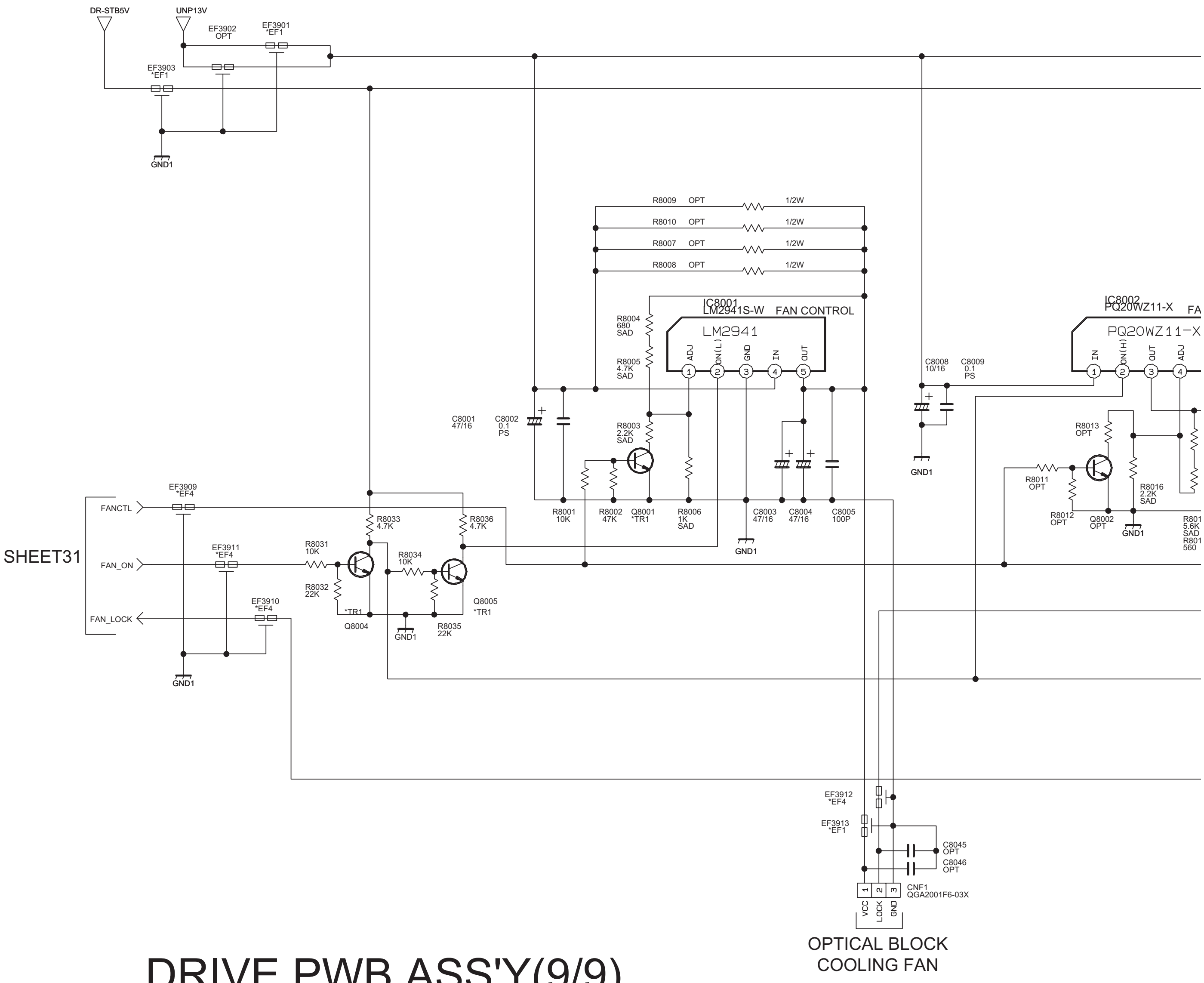

Rch
Gch
Bch
IC3907
R1170H181B-X
IC3908
R1170H251B-X
IC3909
R1170H251B-X
IC3910
R1170H251B-X
IC3911
R1170H181B-X
IC3912
R1170H251B-X
IC3913
R1170H251B-X
IC3914
R1170H251B-X
IC3915
R1170H181B-X
IC3916
R1170H251B-X
IC3917
R1170H251B-X
IC3918
R1170H251B-X
DR-VCC3
DR-VCC5
ASID3R
ASID1R
ASIA1R
ASID2R
MRD2R
LCD2R
DVCC1R
ASID3G
ASID1G
ASIA1G
ASID2G
MRD2G
LCD2G
DVCC1G
ASID3B
ASID1B
ASIA1B
ASID2B
MRD2B
LCD2B
DVCC1B
GND1
CE
GND
(NC)
OUT
VDD
NBE40JM-476X
NBE20GM-336X
NCB10JK-106X
L3932
OPT
D3933
OPT
C3934
120/10
NEX61AM-127X
R3936 0 NRSA02J-0R0X
R3937 0 NRSA02J-0R0X
R3938 0 NRSA02J-0R0X
R3939
1K
R3935
3.3K
SAD
R3934
8.2K
SAD

DRIVE PWB ASS'Y(8/9)

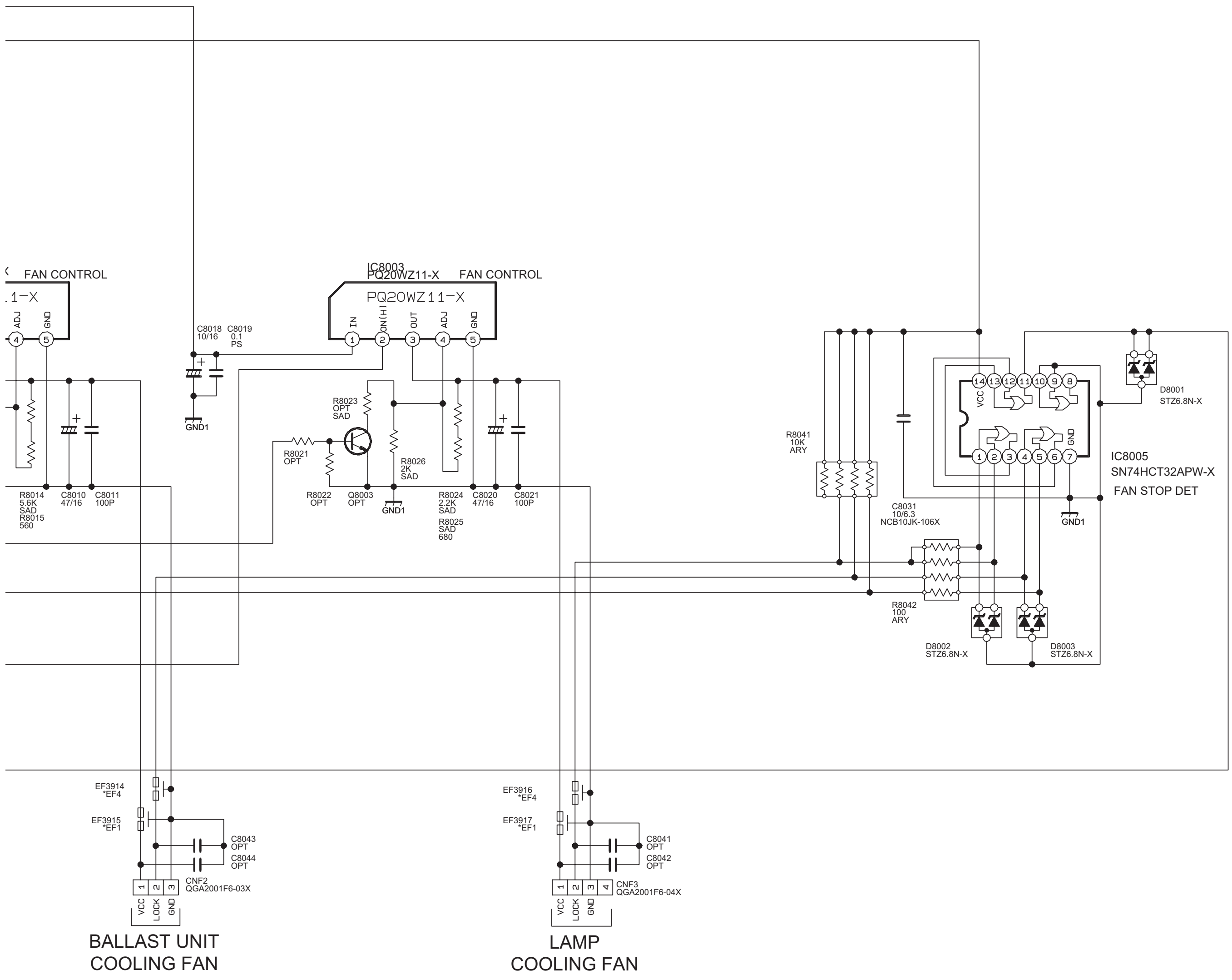
SRA-3001A-M2

c10428008_0930_8/9_0.0

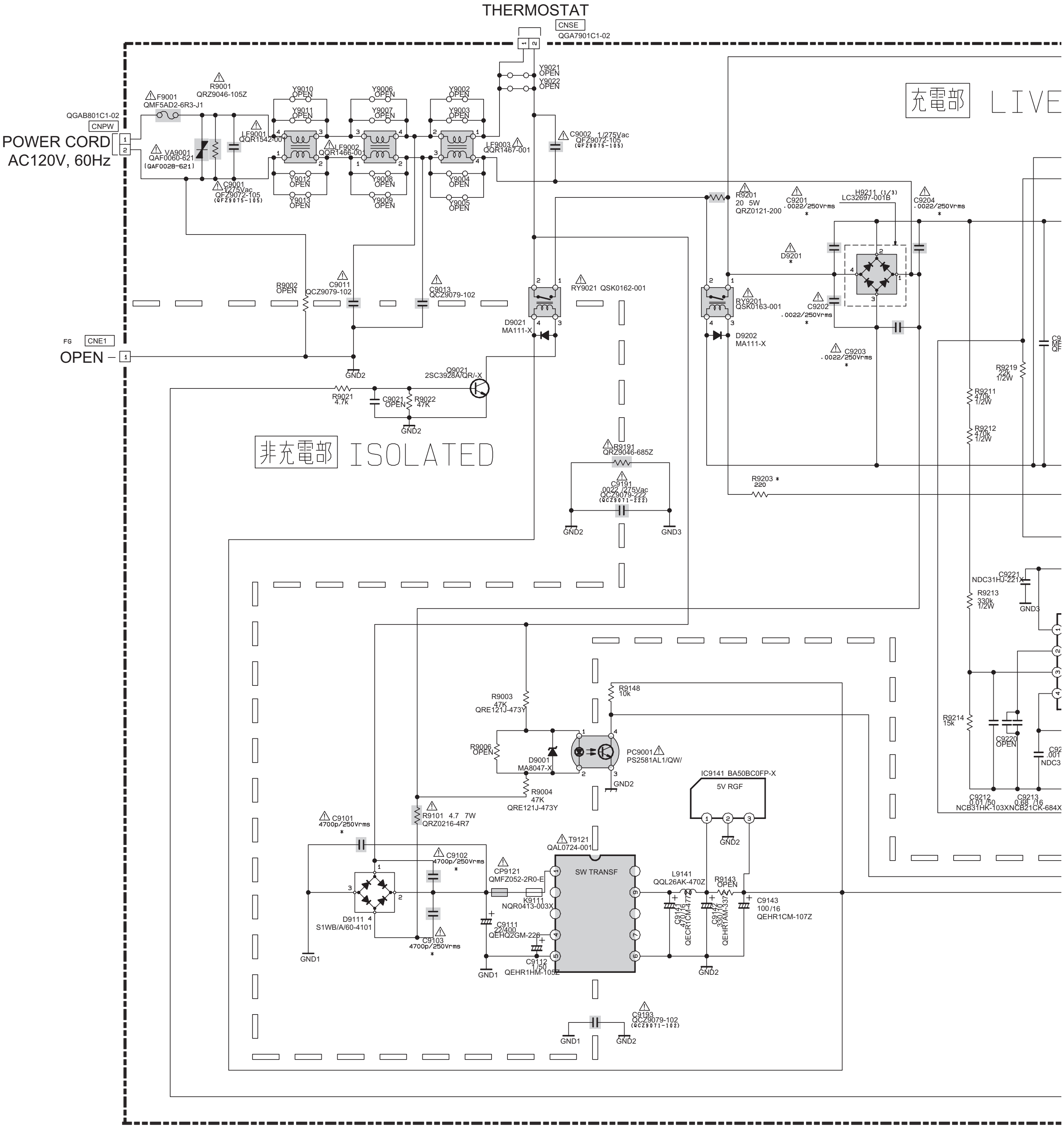
DRIVE PWB CIRCUIT DIAGRAM (9/9) [FAN CONTROL] SHEET 33


DR-STB5V
UNP13V
EF3902
OPT
EF3901
*EF1
EF3903
*EF1
GND1
R8009 OPT 1/2W
R8010 OPT 1/2W
R8007 OPT 1/2W
R8008 OPT 1/2W
IC8001
LM2941S-W FAN CONTROL
LM2941
ADJ
ON(L)
GND
IN
OUT
R8004
680
SAD
R8005
4.7K
SAD
R8003
2.2K
SAD
C8001
47/16
C8002
0.1
PS
R8001
10K
R8002
47K
Q8001
*TR1
R8006
1K
SAD
C8003
47/16
C8004
47/16
C8005
100P
GND1
C8008
10/16
C8009
0.1
PS
GND1
IC8002
PQ20WZ11-X
FA
PQ20WZ11-X
IN
ON(H)
OUT
ADJ
R8013
OPT
R8011
OPT
R8012
OPT
Q8002
OPT
R8016
2.2K
SAD
GND1
R801
5.6K
SAD
R801
560
SHEET31
FANCTL
FAN_ON
FAN_LOCK
EF3909
*EF4
EF3911
*EF4
EF3910
*EF4
GND1
R8031
10K
R8032
22K
R8033
4.7K
R8036
4.7K
R8034
10K
*TR1
Q8004
GND1
R8035
22K
Q8005
*TR1
EF3912
*EF4
EF3913
*EF1
C8045
OPT
C8046
OPT
CNF1
QGA2001F6-03X
VCC
LOCK
GND
OPTICAL BLOCK
COOLING FAN

DRIVE PWB ASS'Y(9/9)
SRA-3001A-M2

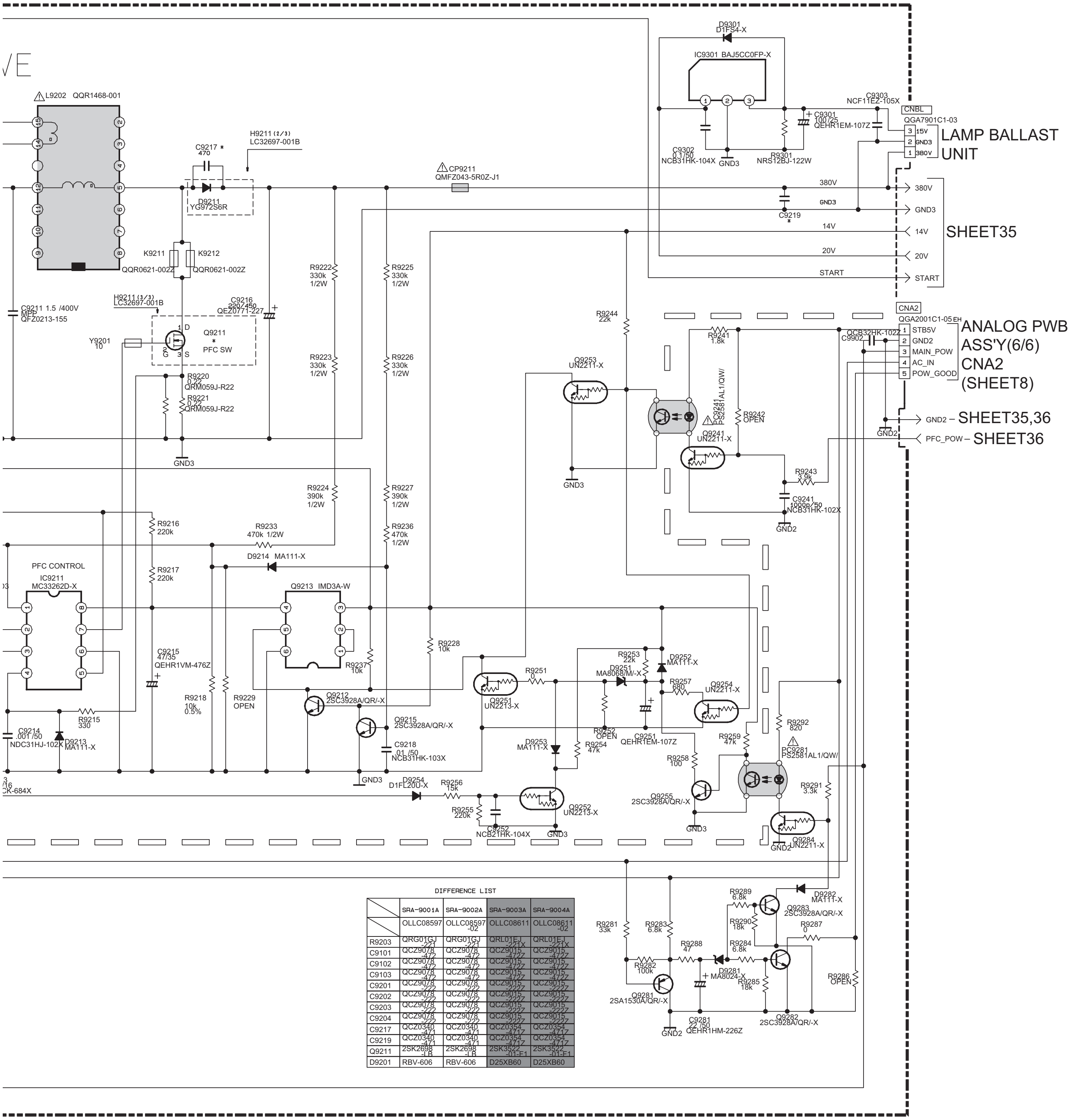

FAN CONTROL
.1-X
ADJ
GND
IC8003
PQ20WZ11-X
FAN CONTROL
PQ20WZ11-X
IN
ON(H)
OUT
ADJ
GND
C8018
10/16
C8019
0.1
PS
GND1
R8023
OPT
SAD
R8021
OPT
R8026
2K
SAD
R8014
5.6K
SAD
R8015
560
C8010
47/16
C8011
100P
R8022
OPT
Q8003
OPT
GND1
R8024
2.2K
SAD
R8025
SAD
680
C8020
47/16
C8021
100P
R8041
10K
ARY
C8031
10/6.3
NCB10JK-106X
VCC
GND
IC8005
SN74HCT32APW-X
FAN STOP DET
GND1
D8001
STZ6.8N-X
R8042
100
ARY
D8002
STZ6.8N-X
D8003
STZ6.8N-X
EF3914
*EF4
EF3915
*EF1
C8043
OPT
C8044
OPT
CNF2
QGA2001F6-03X
VCC
LOCK
GND
BALLAST UNIT
COOLING FAN
EF3916
*EF4
EF3917
*EF1
C8041
OPT
C8042
OPT
CNF3
QGA2001F6-04X
VCC
LOCK
GND
LAMP
COOLING FAN

POWER PWB CIRCUIT DIAGRAM (1/3) SHEET 34


THERMOSTAT
CNSE
QGA7901C1-02
POWER CORD
AC120V, 60Hz
QGAB801C1-02
CNPW
F9001
QMF5AD2-6R3-J1
R9001
QRZ9046-105Z
VA9001
QAF0060-621
(QAF0028-621)
C9001
1/275Vac
QFZ9072-105
(QFZ9075-105)
LF9001
QQR1542-001
LF9002
QQR1466-001
LF9003
QQR1467-001
Y9010 OPEN
Y9011 OPEN
Y9012 OPEN
Y9013 OPEN
Y9006 OPEN
Y9007 OPEN
Y9008 OPEN
Y9009 OPEN
Y9002 OPEN
Y9003 OPEN
Y9004 OPEN
Y9005 OPEN
Y9021 OPEN
Y9022 OPEN
C9002 1/275Vac
QFZ9072-105
(QFZ9075-105)
充電部 LIVE
R9201
20 5W
QRZ0121-200
C9201
.0022/250Vrms
*
H9211 (1/3)
LC32697-001B
C9204
.0022/250Vrms
*
D9201
*
RY9201
QSK0163-001
C9202
.0022/250Vrms
*
D9202
MA111-X
C9203
.0022/250Vrms
*
R9219
22k
1/2W
R9211
470k
1/2W
R9212
470k
1/2W
R9203 *
220
R9002
OPEN
C9011
QCZ9079-102
C9013
QCZ9079-102
RY9021 QSK0162-001
D9021
MA111-X
FG
CNE1
OPEN
GND2
Q9021
2SC3928A/QR/-X
R9021
4.7k
C9021
OPEN
R9022
47K
GND2
非充電部 ISOLATED
R9191
QRZ9046-685Z
C9191
.0022 /275Vac
QCZ9079-222
(QCZ9071-222)
GND2
GND3
C9221
NDC31HJ-221X
GND3
R9213
330k
1/2W
R9214
15k
C9220
OPEN
C9212
0.01 /50
NCB31HK-103X
C9213
0.68 /16
NCB21CK-684X
.001
NDC3
R9003
47K
QRE121J-473Y
R9006
OPEN
D9001
MA8047-X
PC9001
PS2581AL1/QW/
R9148
10k
GND2
R9004
47K
QRE121J-473Y
IC9141 BA50BC0FP-X
5V RGF
GND2
C9101
4700p/250Vrms
*
R9101 4.7 7W
QRZ0216-4R7
T9121
QAL0724-001
SW TRANSF
C9102
4700p/250Vrms
*
CP9121
QMFZ052-2R0-E
K9111
NQR0413-003X
D9111
S1WB/A/60-4101
C9111
22/400
QEHQ2GM-226
C9103
4700p/250Vrms
*
GND1
C9112
1/50
QEHR1HM-105Z
GND1
L9141
QQL26AK-470Z
R9143
OPEN
C9141
470/16
QECR1CM-477Z
C9142
330/10
QEHR1AM-337Z
C9143
100/16
QEHR1CM-107Z
GND2
C9193
QCZ9079-102
(QCZ9071-102)
GND1
GND2

POWER PWB ASS'Y(1/3)

SRA-9002A-M2 [HD-56FH96, HD-61FH96]
SRA-9001A-M2 [HD-70FH96]

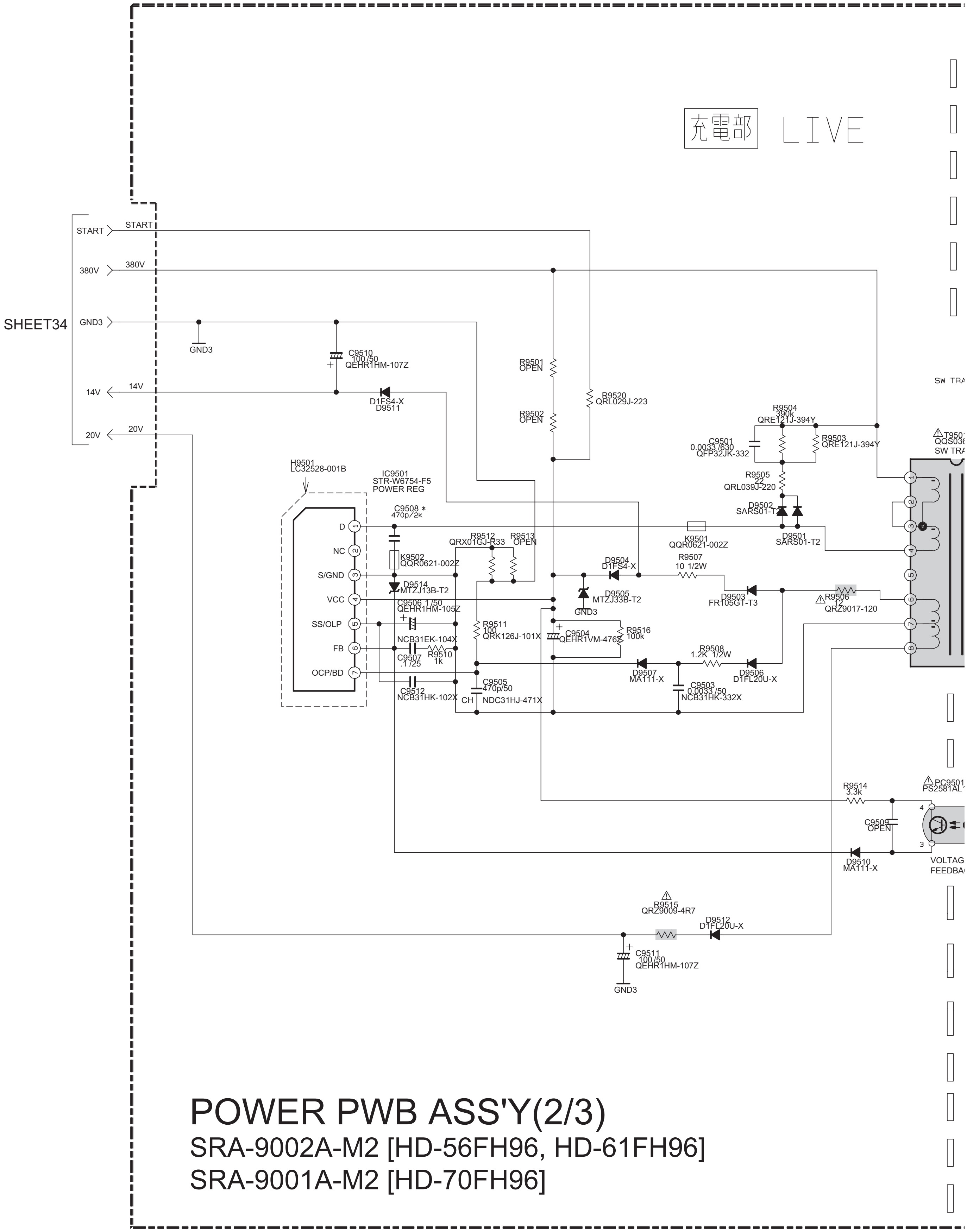


L9202 QQR1468-001
H9211 (2/3) LC32697-001B
C9217 * 470
D9211 YG972S6R
CP9211 QMFZ043-5R0Z-J1
K9211
K9212
QQR0621-002Z
QQR0621-002Z
C9211 1.5 /400V MPP QFZ0213-155
H9211 (1/3) LC32697-001B
C9216 680/450 QEZ0771-227
Q9211 * PFC SW
Y9201 10
R9220 0.22 QRM059J-R22
R9221 0.22 QRM059J-R22
GND3
R9222 330k 1/2W
R9223 330k 1/2W
R9224 390k 1/2W
R9225 330k 1/2W
R9226 330k 1/2W
R9227 390k 1/2W
R9236 470k 1/2W
R9216 220k
R9217 220k
R9233 470k 1/2W
D9214 MA111-X
PFC CONTROL
IC9211 MC33262D-X
Q9213 IMD3A-W
C9215 47/35 QEHR1VM-476Z
R9215 330
C9214 .001 /50 NDC31HJ-102K
D9213 MA111-X
R9218 10k 0.5%
R9229 OPEN
R9237 10k
R9228 10k
Q9212 2SC3928A/QR/-X
Q9215 2SC3928A/QR/-X
C9218 .01 /50 NCB31HK-103X
D9254 D1FL20U-X
R9256 15k
R9255 220k
C9252 NCB21HK-104X
Q9252 UN2213-X
Q9251 UN2213-X
R9251 0
D9253 MA111-X
R9254 47k
R9252 OPEN
C9251 QEHR1EM-107Z
R9253 22k
D9251 MA8068(M)-X
D9252 MA111-X
R9257 680
Q9254 UN2211-X
R9258 100
Q9255 2SC3928A/QR/-X
R9259 47k
PC9281 PS2581AL1/QW/
R9292 820
R9291 3.3k
Q9284 UN2211-X
GND2
D9301 D1FS4-X
IC9301 BAJ5CC0FP-X
C9302 0.1/50 NCB31HK-104X
R9301 NRS12BJ-122W
C9301 100/25 QEHR1EM-107Z
C9303 NCF11EZ-105X
CNBL
QGA7901C1-03
15V
GND3
380V
LAMP BALLAST UNIT
380V
GND3
14V
20V
START
C9219 *
SHEET35
CNA2
QGA2001C1-05EH
QCB32HK-102Z
C9902
STB5V
GND2
MAIN_POW
AC_IN
POW_GOOD
ANALOG PWB ASS'Y(6/6) CNA2 (SHEET8)
GND2 – SHEET35,36
PFC_POW – SHEET36
R9244 22k
Q9253 UN2211-X
R9241 1.8k
PC9241 PS2581AL1/QW/
R9242 OPEN
Q9241 UN2211-X
R9243 3.9k
C9241 1000p/50 NCB31HK-102X
R9289 6.8k
D9282 MA111-X
Q9283 2SC3928A/QR/-X
R9281 33k
R9283 6.8k
R9290 18k
R9287 0
R9288 47
R9284 6.8k
R9282 100k
D9281 MA8024-X
R9285 18k
R9286 OPEN
Q9281 2SA1530A/QR/-X
C9281 22 /50 QEHR1HM-226Z
Q9282 2SC3928A/QR/-X

DIFFERENCE LIST

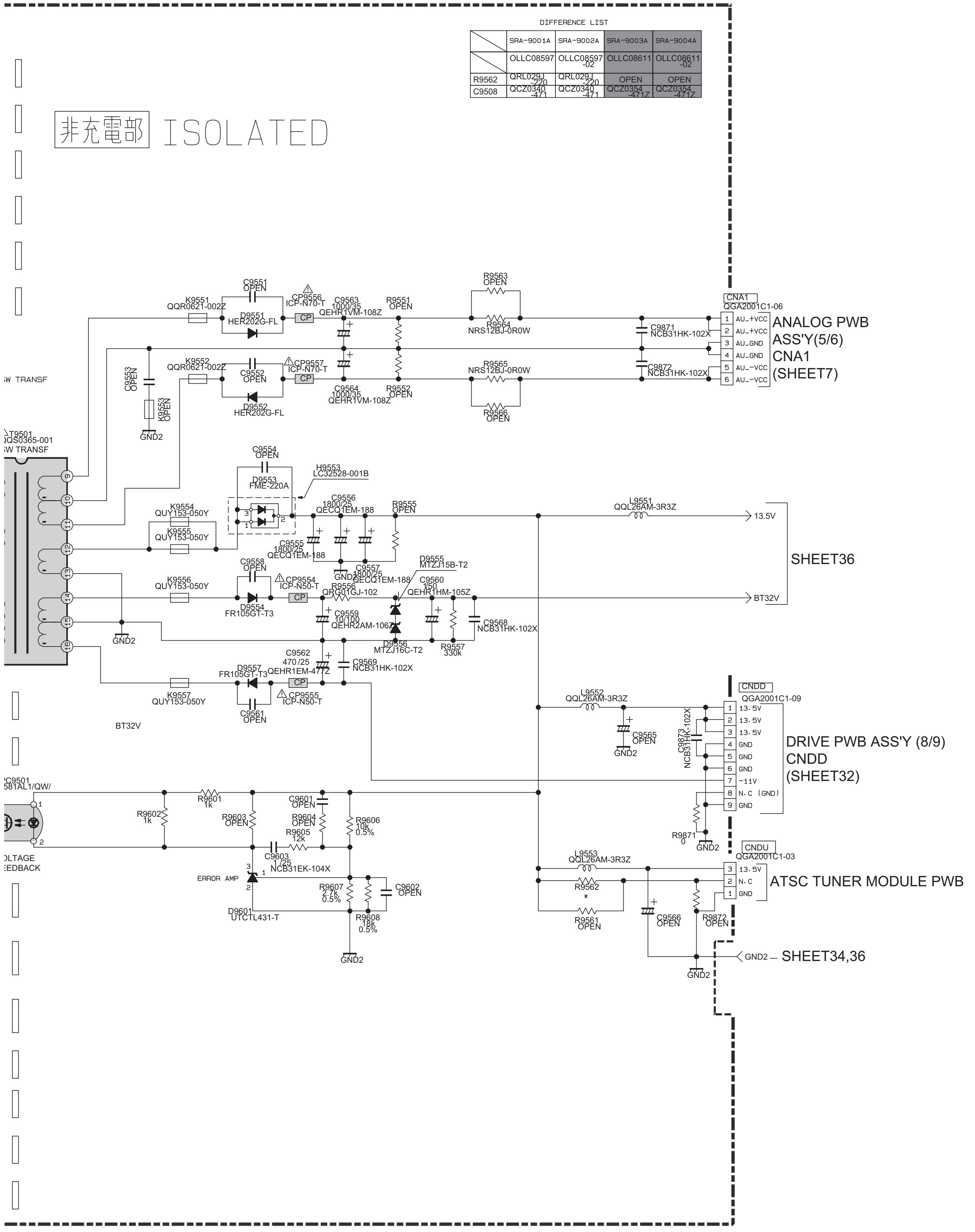
	SRA-9001A	SRA-9002A	SRA-9003A	SRA-9004A
	OLLC08597	OLLC08597 -02	OLLC08611	OLLC08611 -02
R9203	QRG01GJ -221	QRG01GJ -221	QRL01EJ -221X	QRL01EJ -221X
C9101	QCZ9078 -472	QCZ9078 -472	QCZ9015 -472Z	QCZ9015 -472Z
C9102	QCZ9078 -472	QCZ9078 -472	QCZ9015 -472Z	QCZ9015 -472Z
C9103	QCZ9078 -472	QCZ9078 -472	QCZ9015 -472Z	QCZ9015 -472Z
C9201	QCZ9078 -222	QCZ9078 -222	QCZ9015 -222Z	QCZ9015 -222Z
C9202	QCZ9078 -222	QCZ9078 -222	QCZ9015 -222Z	QCZ9015 -222Z
C9203	QCZ9078 -222	QCZ9078 -222	QCZ9015 -222Z	QCZ9015 -222Z
C9204	QCZ9078 -222	QCZ9078 -222	QCZ9015 -222Z	QCZ9015 -222Z
C9217	QCZ0340 -471	QCZ0340 -471	QCZ0354 -471Z	QCZ0354 -471Z
C9219	QCZ0340 -471	QCZ0340 -471	QCZ0354 -471Z	QCZ0354 -471Z
Q9211	2SK2698 -LB	2SK2698 -LB	2SK3522 -01-F1	2SK3522 -01-F1
D9201	RBV-606	RBV-606	D25XB60	D25XB60

c20170001_0930_1/3_0.0


充電部 LIVE
SHEET34
START
START
380V
380V
GND3
GND3
14V
14V
20V
20V
C9510
100/50
QEHR1HM-107Z
D1FS4-X
D9511
R9501
OPEN
R9502
OPEN
R9520
QRL029J-223
H9501
LC32528-001B
IC9501
STR-W6754-F5
POWER REG
D
NC
S/GND
VCC
SS/OLP
FB
OCP/BD
C9508 *
470p/2k
K9502
QQR0621-002Z
D9514
MTZJ13B-T2
C9506 1/50
QEHR1HM-105Z
NCB31EK-104X
C9507
.1/25
R9510
1k
C9512
NCB31HK-102X
R9512
QRX01GJ-R33
R9513
OPEN
R9511
100
QRK126J-101X
C9505
470p/50
CH
NDC31HJ-471X
C9504
QEHR1VM-476Z
R9516
100k
D9504
D1FS4-X
D9505
MTZJ33B-T2
GND3
D9507
MA111-X
R9507
10 1/2W
D9503
FR105GT-T3
R9508
1.2K 1/2W
D9506
D1FL20U-X
C9503
0.0033/50
NCB31HK-332X
K9501
QQR0621-002Z
R9504
390k
QRE121J-394Y
C9501
0.0033/630
QFP32JK-332
R9503
QRE121J-394Y
R9505
22
QRL039J-220
D9502
SARS01-T2
D9501
SARS01-T2
R9506
12
QRZ9017-120
SW TRA
T950
QQS03
SW TRA
1
2
3
4
5
6
7
8
R9514
3.3k
C9509
OPEN
PC9501
PS2581AL
4
3
D9510
MA111-X
VOLTAG
FEEDBA
R9515
QRZ9009-4R7
D9512
D1FL20U-X
C9511
100/50
QEHR1HM-107Z
GND3

POWER PWB ASS'Y(2/3)

SRA-9002A-M2 [HD-56FH96, HD-61FH96]
SRA-9001A-M2 [HD-70FH96]

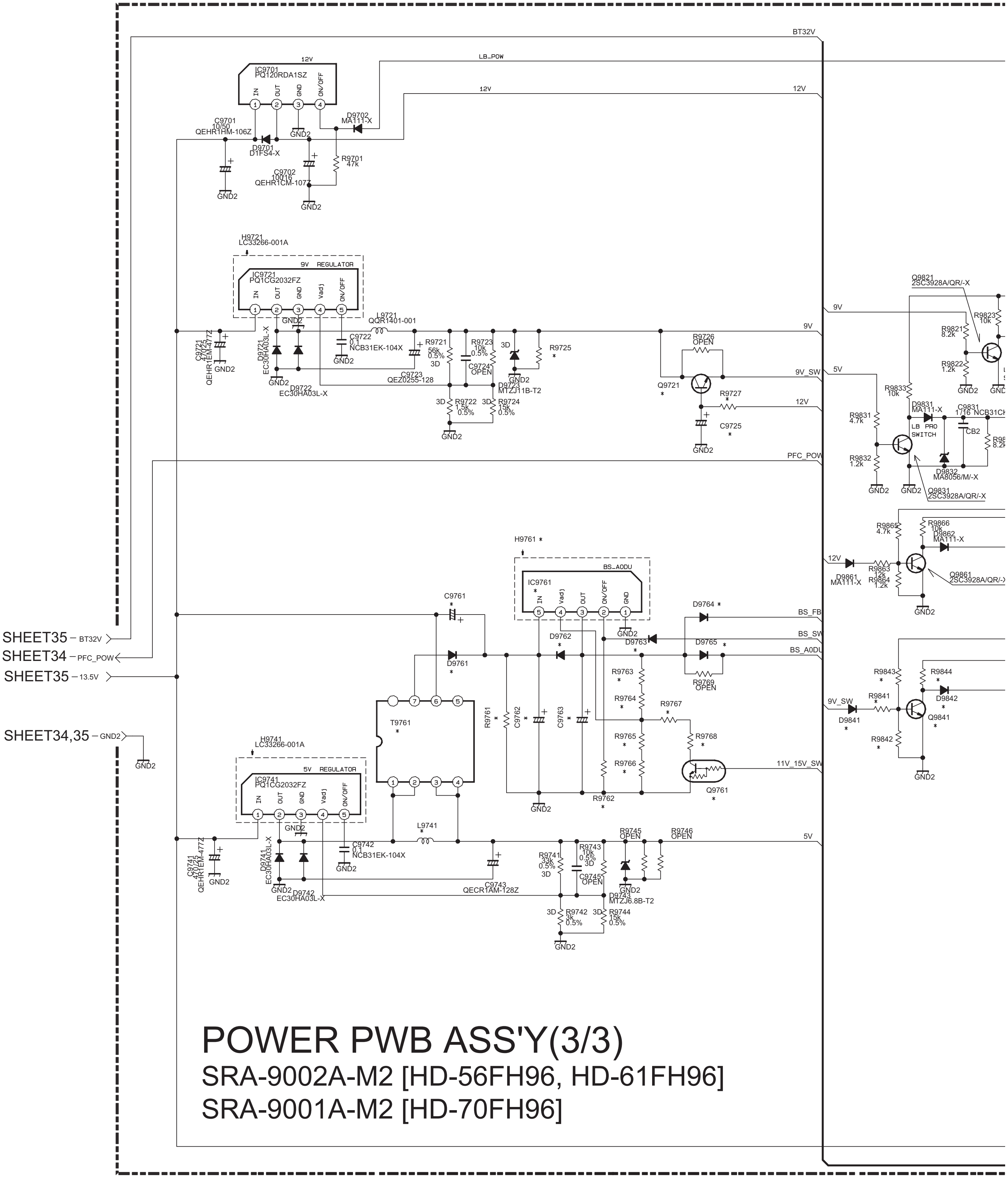


非充電部 ISOLATED
T9501
QS0365-001
SW TRANSF
SW TRANSF
9
10
11
12
13
14
15
16
K9551
QQR0621-002Z
C9551
OPEN
D9551
HER202G-FL
CP9556
ICP-N70-T
CP
C9563
1000/35
QEHR1VM-108Z
R9551
OPEN
R9563
OPEN
R9564
NRS12BJ-0R0W
C9871
NCB31HK-102X
C9553
OPEN
K9553
OPEN
GND2
K9552
QQR0621-002Z
C9552
OPEN
D9552
HER202G-FL
CP9557
ICP-N70-T
C9564
1000/35
QEHR1VM-108Z
R9552
OPEN
R9565
NRS12BJ-0R0W
R9566
OPEN
C9872
NCB31HK-102X
CNA1
QGA2001C1-06
1 AU_+VCC
2 AU_+VCC
3 AU_GND
4 AU_GND
5 AU_-VCC
6 AU_-VCC
ANALOG PWB
ASS'Y(5/6)
CNA1
(SHEET7)
C9554
OPEN
D9553
FME-220A
H9553
LC32528-001B
K9554
QUY153-050Y
K9555
QUY153-050Y
C9556
1800/25
QECQ1EM-188
C9555
1800/25
QECQ1EM-188
C9557
1800/25
QECQ1EM-188
R9555
OPEN
L9551
QQL26AM-3R3Z
13.5V
SHEET36
BT32V
K9556
QUY153-050Y
C9558
OPEN
D9554
FR105GT-T3
CP9554
ICP-N50-T
R9556
QRG01GJ-102
D9555
MTZJ15B-T2
C9560
1/50
QEHR1HM-105Z
C9559
10/100
QEHR2AM-106Z
D9556
MTZJ16C-T2
R9557
330k
C9568
NCB31HK-102X
C9562
470/25
QEHR1EM-477Z
C9569
NCB31HK-102X
D9557
FR105GT-T3
K9557
QUY153-050Y
CP9555
ICP-N50-T
C9561
OPEN
BT32V
L9552
QQL26AM-3R3Z
C9565
OPEN
GND2
C9873
NCB31HK-102X
CNDD
QGA2001C1-09
1 13.5V
2 13.5V
3 13.5V
4 GND
5 GND
6 GND
7 -11V
8 N.C (GND)
9 GND
DRIVE PWB ASS'Y (8/9)
CNDD
(SHEET32)
R9871
0
GND2
PC9501
581AL1/QW/
OLTAGE
EEDBACK
R9602
1k
R9601
1k
R9603
OPEN
C9601
OPEN
R9604
OPEN
R9605
12k
R9606
10k
0.5%
C9603
1/25
NCB31EK-104X
ERROR AMP
R9607
2.7k
0.5%
C9602
OPEN
R9608
18k
0.5%
D9601
UTCTL431-T
GND2
L9553
QQL26AM-3R3Z
R9562
*
R9561
OPEN
C9566
OPEN
R9872
OPEN
CNDU
QGA2001C1-03
3 13.5V
2 N.C
1 GND
ATSC TUNER MODULE PWB
GND2
SHEET34,36
GND2

DIFFERENCE LIST

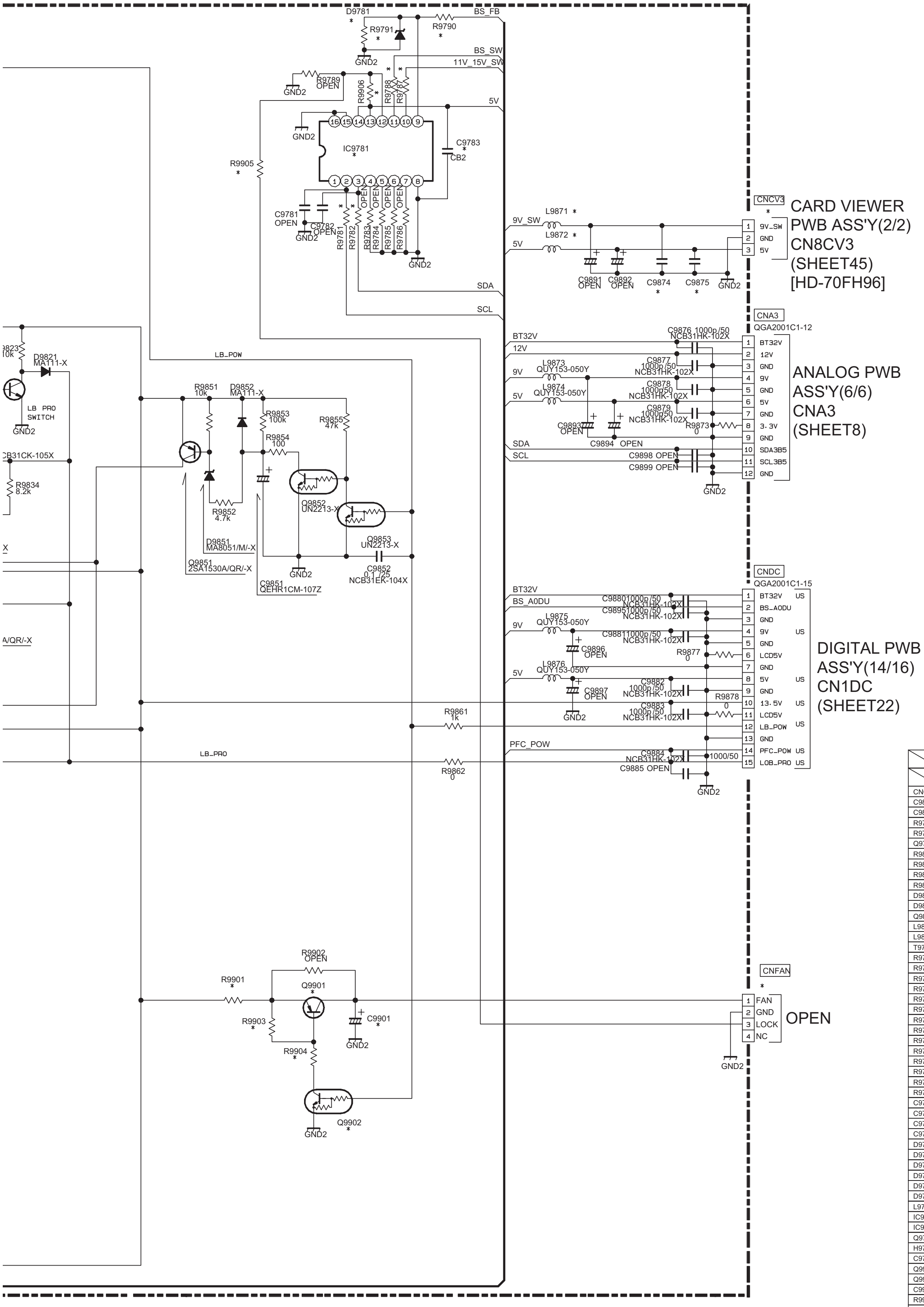
	SRA-9001A	SRA-9002A	SRA-9003A	SRA-9004A
	OLLC08597	OLLC08597 -02	OLLC08611	OLLC08611 -02
R9562	QRL029J -220	QRL029J -220	OPEN	OPEN
C9508	QCZ0340 -471	QCZ0340 -471	QCZ0354 -471Z	QCZ0354 -471Z

c20170002_0930_2/3_0.0


BT32V
LB_POW
12V
IC9701
PQ120RDA1SZ
IN
OUT
GND
ON/OFF
C9701
10/50
QEHR1HM-106Z
D9701
D1FS4-X
D9702
MA111-X
GND2
R9701
47k
C9702
10/16
QEHR1CM-107Z
H9721
LC33266-001A
9V REGULATOR
IC9721
PQ1CG2032FZ
Vadj
L9721
QQR1401-001
C9721
470/25
QEHR1EM-477Z
D9721
EC30HA03L-X
C9722
0.1
NCB31EK-104X
R9721
56k
0.5%
3D
R9723
10k
0.5%
C9724
OPEN
D9723
MTZJ11B-T2
R9725
*
C9723
QEZ0255-128
D9722
EC30HA03L-X
R9722
1.5k
0.5%
R9724
15k
0.5%
9V
R9726
OPEN
Q9721
*
9V_SW
R9727
*
C9725
*
PFC_POW
Q9821
2SC3928A/QR/-X
R9821
8.2k
R9823
10k
R9822
1.2k
5V
R9833
10k
D9831
MA111-X
C9831
1/16 NCB31CH
LB PRO SWITCH
CB2
R9831
4.7k
R9832
1.2k
D9832
MA8056/M/-X
Q9831
2SC3928A/QR/-X
R9865
4.7k
R9866
10k
D9862
MA111-X
D9861
MA111-X
R9863
12k
R9864
1.2k
Q9861
2SC3928A/QR/-X
H9761 *
BS_AODU
IC9761
*
C9761
*
D9764 *
BS_FB
BS_SW
BS_A0DU
D9762
*
D9763
*
D9765
*
D9761
*
R9763
*
R9764
*
R9767
*
R9769
OPEN
R9765
*
R9768
*
R9766
*
Q9761
*
11V_15V_SW
R9762
*
T9761
*
R9761
*
C9762
*
C9763
*
R9843
*
R9844
*
R9841
*
D9842
*
9V_SW
D9841
*
Q9841
*
R9842
*
SHEET35
BT32V
SHEET34
PFC_POW
SHEET35
13.5V
SHEET34,35
GND2
H9741
LC33266-001A
5V REGULATOR
IC9741
PQ1CG2032FZ
C9741
470/25
QEHR1EM-477Z
D9741
EC30HA03L-X
C9742
0.1
NCB31EK-104X
D9742
EC30HA03L-X
L9741
*
C9743
QECR1AM-128Z
R9741
33k
0.5%
3D
R9743
10k
0.5%
3D
C9745
OPEN
D9743
MTZJ6.8B-T2
R9745
OPEN
R9746
OPEN
5V
R9742
3k
0.5%
R9744
15k
0.5%

POWER PWB ASS'Y(3/3)

SRA-9002A-M2 [HD-56FH96, HD-61FH96]
SRA-9001A-M2 [HD-70FH96]

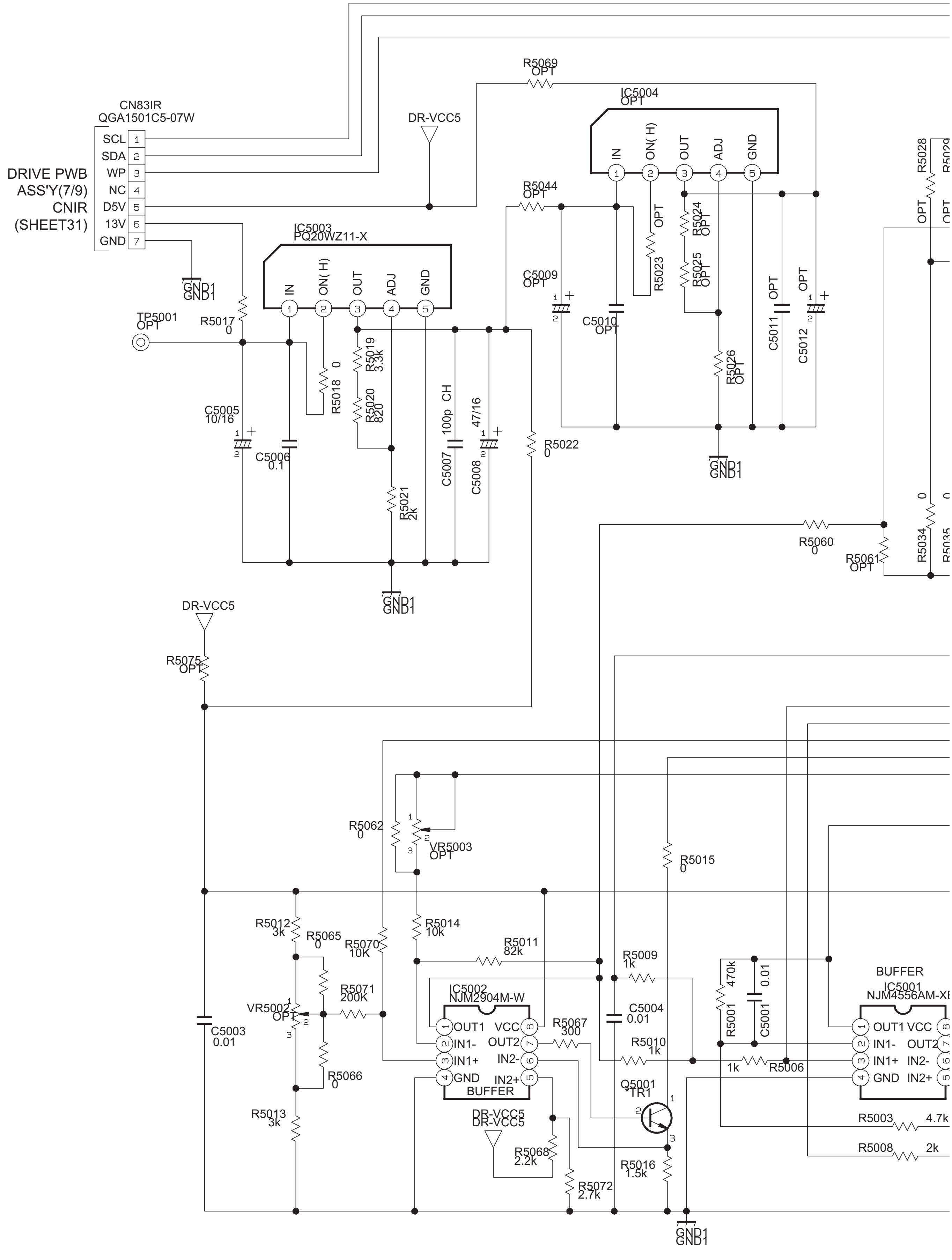

D9781
R9791
R9790
BS_FB
BS_SW
11V_15V_SW
GND2
R9789 OPEN
R9906
R9788
R9787
5V
IC9781
C9783 CB2
R9905
C9781 OPEN
C9782 OPEN
R9781
R9782
R9783
R9784
R9785
R9786
SDA
SCL
9V_SW
L9871
L9872
C9891 OPEN
C9892 OPEN
C9874
C9875
CNCV3
9V_SW
GND
5V
CARD VIEWER PWB ASS'Y(2/2) CN8CV3 (SHEET45) [HD-70FH96]
CNA3
QGA2001C1-12
BT32V
12V
C9876 1000p/50 NCB31HK-102X
L9873 QUY153-050Y
C9877 1000p/50 NCB31HK-102X
L9874 QUY153-050Y
C9878 1000p/50 NCB31HK-102X
C9879 1000p/50 NCB31HK-102X
C9893 OPEN
C9894 OPEN
R9873 0
C9898 OPEN
C9899 OPEN
BT32V
12V
GND
9V
GND
5V
GND
3.3V
GND
SDA3B5
SCL3B5
GND
ANALOG PWB ASS'Y(6/6) CNA3 (SHEET8)
LB_POW
D9821 MA111-X
LB PRO SWITCH
B31CK-105X
R9834 8.2k
R9851 10k
D9852 MA111-X
R9853 100k
R9854 100
R9855 47k
R9852 4.7k
Q9852 UN2213-X
Q9853 UN2213-X
D9851 MA8051/M/-X
Q9851 2SA1530A/QR/-X
C9851 QEHR1CM-107Z
C9852 0.1/25 NCB31EK-104X
A/QR/-X
CNDC
QGA2001C1-15
BT32V
BS_A0DU
C9880 1000p/50 NCB31HK-102X
C9895 1000p/50 NCB31HK-102X
L9875 QUY153-050Y
C9881 1000p/50 NCB31HK-102X
C9896 OPEN
R9877 0
L9876 QUY153-050Y
C9897 OPEN
C9882 1000p/50 NCB31HK-102X
C9883 1000p/50 NCB31HK-102X
R9878 0
R9861 1k
PFC_POW
C9884 NCB31HK-102X
1000/50
C9885 OPEN
LB_PRO
R9862 0
BT32V
BS_A0DU
GND
9V
GND
LCD5V
GND
5V
GND
13.5V
LCD5V
LB_POW
GND
PFC_POW
LOB_PRO
US
DIGITAL PWB ASS'Y(14/16) CN1DC (SHEET22)
R9902 OPEN
R9901
Q9901
C9901
R9903
R9904
Q9902
CNFAN
FAN
GND
LOCK
NC
OPEN

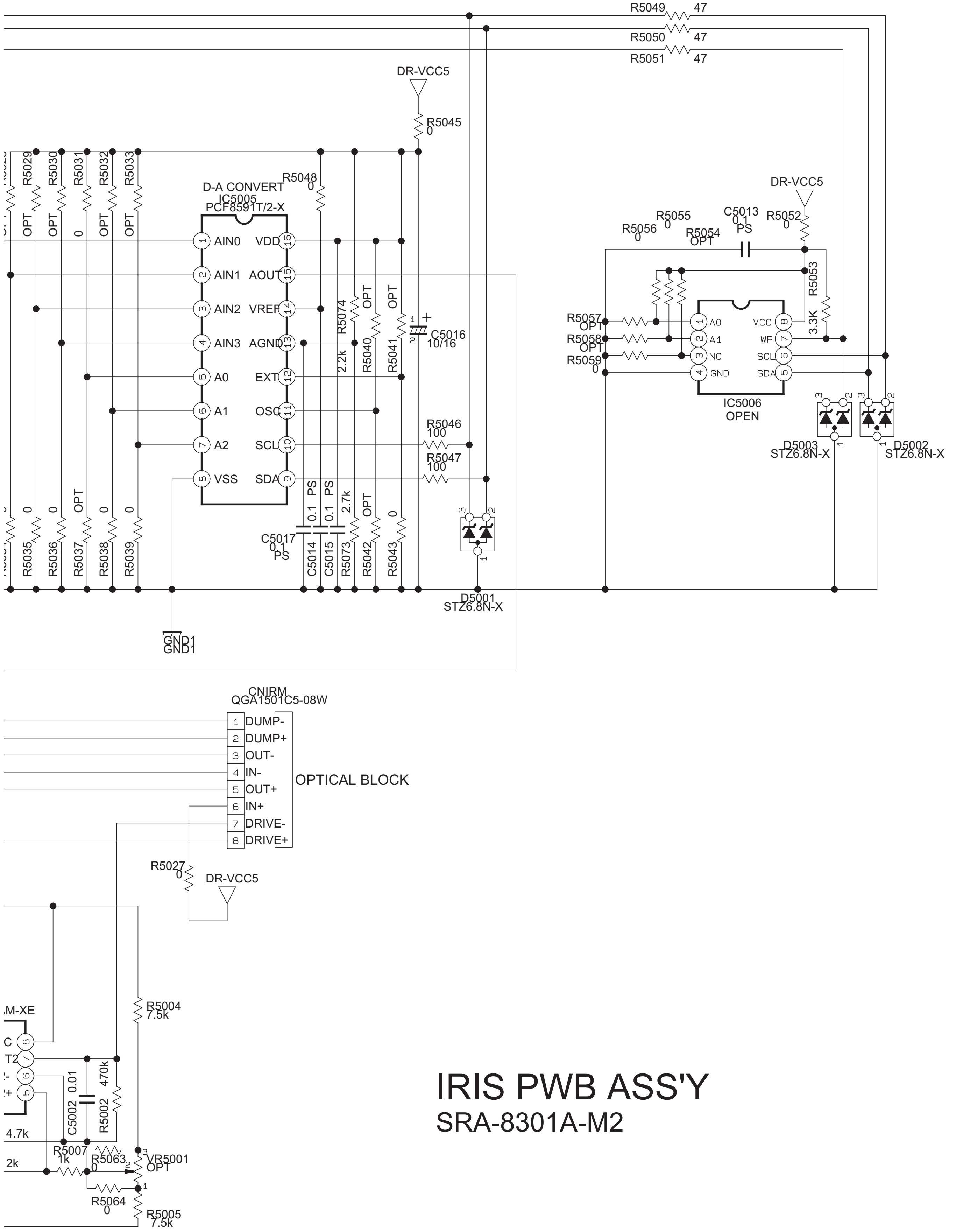
DIFFERENCE LIST

	SRA-9001A	SRA-9002A	SRA-9003A	SRA-9004A
	OLLC08597	OLLC08597 -02	OLLC08611	OLLC08611 -02
CNCV3	QGA2501C1 -03	OPEN	QGA2501C1 -03	OPEN
C9874	NCB31HK -103X	OPEN	NCB31HK -103X	OPEN
C9875	NCB31HK -103X	OPEN	NCB31HK -103X	OPEN
R9725	NRS12BJ -331W	OPEN	NRS12BJ -331W	OPEN
R9727	NRS12BJ -101W	OPEN	NRS12BJ -101W	OPEN
Q9721	2SC3074 /OY/-X	OPEN	2SC3074 /OY/-X	OPEN
R9841	12k	OPEN	12k	OPEN
R9842	1.2k	OPEN	1.2k	OPEN
R9843	4.7k	OPEN	4.7k	OPEN
R9844	10k	OPEN	10k	OPEN
D9841	MA111-X	OPEN	MA111-X	OPEN
D9842	MA111-X	OPEN	MA111-X	OPEN
Q9841	2SC3928A /QR/-X	OPEN	2SC3928A /QR/-X	OPEN
L9871	QUY153 -050Y	OPEN	QUY153 -050Y	OPEN
L9872	QUY153 -050Y	OPEN	QUY153 -050Y	OPEN
T9761	OPEN	OPEN	QQS0355 -001	QQS0355 -001
R9761	OPEN	OPEN	NRS12BJ -223W	NRS12BJ -223W
R9762	OPEN	OPEN	4.7k	4.7k
R9763	OPEN	OPEN	12k 0.5%	12k 0.5%
R9764	OPEN	OPEN	1k 0.5%	1k 0.5%
R9765	OPEN	OPEN	330 0.5%	330 0.5%
R9766	OPEN	OPEN	3.3k 0.5%	3.3k 0.5%
R9767	OPEN	OPEN	8.2k 0.5%	8.2k 0.5%
R9768	OPEN	OPEN	220 0.5%	220 0.5%
R9781	OPEN	OPEN	100	100
R9782	OPEN	OPEN	100	100
R9787	OPEN	OPEN	100	100
R9788	OPEN	OPEN	100	100
R9790	OPEN	OPEN	12k	12k
R9791	OPEN	OPEN	10k	10k
C9761	OPEN	OPEN	QENC1EM -336Z	QENC1EM -336Z
C9762	OPEN	OPEN	QEHR1EM -107Z	QEHR1EM -107Z
C9763	OPEN	OPEN	QEHR1EM -107Z	QEHR1EM -107Z
C9783	OPEN	OPEN	NCB31CK -105X	NCB31CK -105X
D9761	OPEN	OPEN	FR105GT -T3	FR105GT -T3
D9762	OPEN	OPEN	FR105GT -T3	FR105GT -T3
D9763	OPEN	OPEN	MA111-X	MA111-X
D9764	OPEN	OPEN	MA111-X	MA111-X
D9765	OPEN	OPEN	D1FS4-X	D1FS4-X
D9781	OPEN	OPEN	MA8051 /M/-X	MA8051 /M/-X
L9741	QQR1401 -001	QQR1401 -001	OPEN	OPEN
IC9761	OPEN	OPEN	SI-3025B -F1	SI-3025B -F1
IC9781	OPEN	OPEN	M62320FP -X	M62320FP -X
Q9761	OPEN	OPEN	UN2213-X	UN2213-X
H9761	OPEN	OPEN	LC31334 -003B	LC31334 -003B
C9725	QEHR1HM -105Z	OPEN	QEHR1HM -105Z	OPEN
Q9901	OPEN	OPEN	2SB1188 /QR/-W	2SB1188 /QR/-W
Q9902	OPEN	OPEN	UN2213-X	UN2213-X
C9901	OPEN	OPEN	QEHR1HM -106Z	QEHR1HM -106Z
R9901	OPEN	OPEN	QRG01GJ -470	QRG01GJ -470
R9903	OPEN	OPEN	47k	47k
R9904	OPEN	OPEN	4.7k	4.7k
R9905	OPEN	OPEN	100	100
R9906	OPEN	OPEN	4.7k	4.7k
CNCN	OPEN	OPEN	QGA2001C1 -04	QGA2001C1 -04

c20170003_0930_3/3_0.0

IRIS PWB CIRCUIT DIAGRAM SHEET 37


CN83IR
QGA1501C5-07W
SCL 1
SDA 2
WP 3
NC 4
D5V 5
13V 6
GND 7
DRIVE PWB
ASS'Y(7/9)
CNIR
(SHEET31)
GND1
DR-VCC5
R5069
OPT
IC5004
OPT
IN
ON(H)
OUT
ADJ
GND
R5044
OPT
OPT
R5023
R5024
OPT
R5025
OPT
C5009
OPT
C5010
OPT
OPT
C5011
OPT
C5012
R5026
OPT
GND1
R5028
OPT
IC5003
PQ20WZ11-X
IN
ON(H)
OUT
ADJ
GND
TP5001
OPT
R5017
0
R5018
0
R5019
3.3k
R5020
820
C5005
10/16
C5006
0.1
100p CH
C5007
47/16
C5008
R5021
2k
R5022
0
GND1
R5060
0
R5061
OPT
R5034
0
DR-VCC5
R5075
OPT
R5062
0
VR5003
OPT
R5015
0
R5012
3k
R5065
0
R5070
10K
R5014
10k
R5011
82k
R5009
1k
VR5002
OPT
R5071
200K
IC5002
NJM2904M-W
OUT1
IN1-
IN1+
GND
VCC
OUT2
IN2-
IN2+
BUFFER
R5067
300
C5004
0.01
R5010
1k
C5003
0.01
R5066
0
R5013
3k
DR-VCC5
R5068
2.2k
R5072
2.7k
Q5001
*TR1
R5016
1.5k
GND1
470k
R5001
0.01
C5001
1k
R5006
BUFFER
IC5001
NJM4556AM-XE
OUT1
IN1-
IN1+
GND
VCC
OUT2
IN2-
IN2+
R5003
4.7k
R5008
2k

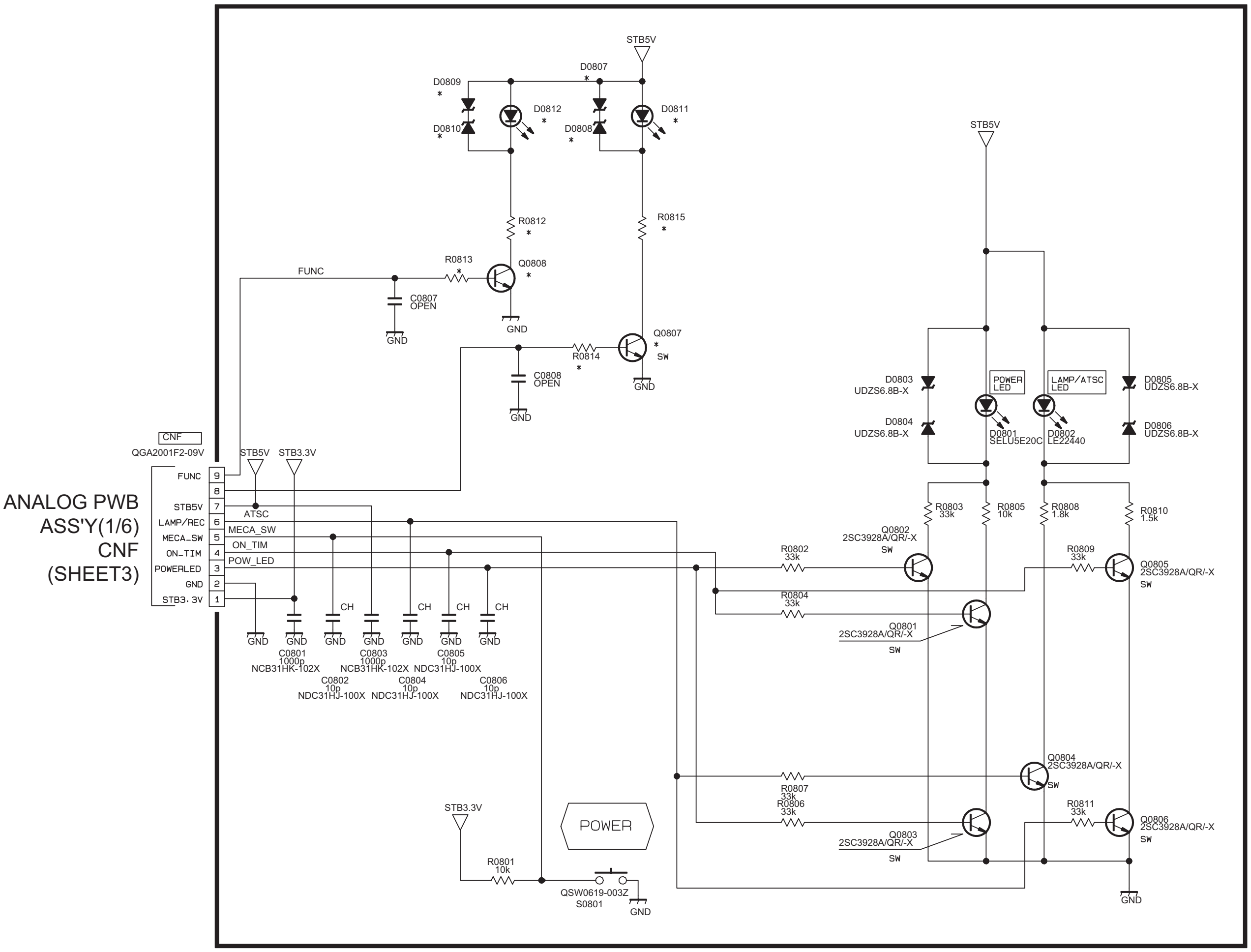

R5049 47
R5050 47
R5051 47
DR-VCC5
R5045 0
R5029
R5030
R5031
R5032
R5033
OPT
OPT
0
OPT
OPT
D-A CONVERT
IC5005
PCF8591T/2-X
R5048 0
AIN0
AIN1
AIN2
AIN3
A0
A1
A2
VSS
VDD
AOUT
VREF
AGND
EXT
OSC
SCL
SDA
R5074 2.2k
R5040 OPT
R5041 OPT
C5016 10/16
R5046 100
R5047 100
R5035 0
R5036 0
R5037 OPT
R5038 0
R5039 0
C5017 0.1 PS
C5014 0.1 PS
C5015 0.1 PS
R5073 2.7k
R5042 OPT
R5043 0
D5001 STZ6.8N-X
GND1
GND1
DR-VCC5
R5056 0
R5055 0
C5013 0.1 PS
R5054 OPT
R5052 0
R5053 3.3K
R5057 OPT
R5058 OPT
R5059 0
A0
A1
NC
GND
VCC
WP
SCL
SDA
IC5006
OPEN
D5003 STZ6.8N-X
D5002 STZ6.8N-X
CNIRM
QGA1501C5-08W
DUMP-
DUMP+
OUT-
IN-
OUT+
IN+
DRIVE-
DRIVE+
OPTICAL BLOCK
R5027 0
DR-VCC5
R5004 7.5k
M-XE
C
T2
C5002 0.01
R5002 470k
4.7k
2k
R5007 1k
R5063 0
VR5001 OPT
R5064 0
R5005 7.5k

IRIS PWB ASS'Y

SRA-8301A-M2

FRONT LED PWB ASS'Y

SRA0L101A-M2


ANALOG PWB
ASS'Y(1/6)
CNF
(SHEET3)
CNF
QGA2001F2-09V
FUNC 9
8
STB5V 7
LAMP/REC 6
MECA_SW 5
ON_TIM 4
POWERLED 3
GND 2
STB3.3V 1
STB5V
STB3.3V
ATSC
MECA_SW
ON_TIM
POW_LED
FUNC
CH
GND
C0801
1000p
NCB31HK-102X
C0802
10p
NDC31HJ-100X
C0803
1000p
NCB31HK-102X
C0804
10p
NDC31HJ-100X
C0805
10p
NDC31HJ-100X
C0806
10p
NDC31HJ-100X
D0809
*
D0810
*
D0812
*
D0807
*
D0808
*
D0811
*
R0812
*
R0815
*
R0813
*
Q0808
*
C0807
OPEN
R0814
*
Q0807
*
SW
C0808
OPEN
D0803
UDZS6.8B-X
D0804
UDZS6.8B-X
POWER
LED
D0801
SELU5E20C
LAMP/ATSC
LED
D0802
LE22440
D0805
UDZS6.8B-X
D0806
UDZS6.8B-X
R0803
33k
R0805
10k
R0808
1.8k
R0810
1.5k
R0802
33k
Q0802
2SC3928A/QR/-X
SW
R0809
33k
Q0805
2SC3928A/QR/-X
SW
R0804
33k
Q0801
2SC3928A/QR/-X
SW
Q0804
2SC3928A/QR/-X
SW
R0807
33k
R0806
33k
Q0803
2SC3928A/QR/-X
SW
R0811
33k
Q0806
2SC3928A/QR/-X
SW
STB3.3V
R0801
10k
POWER
QSW0619-003Z
S0801

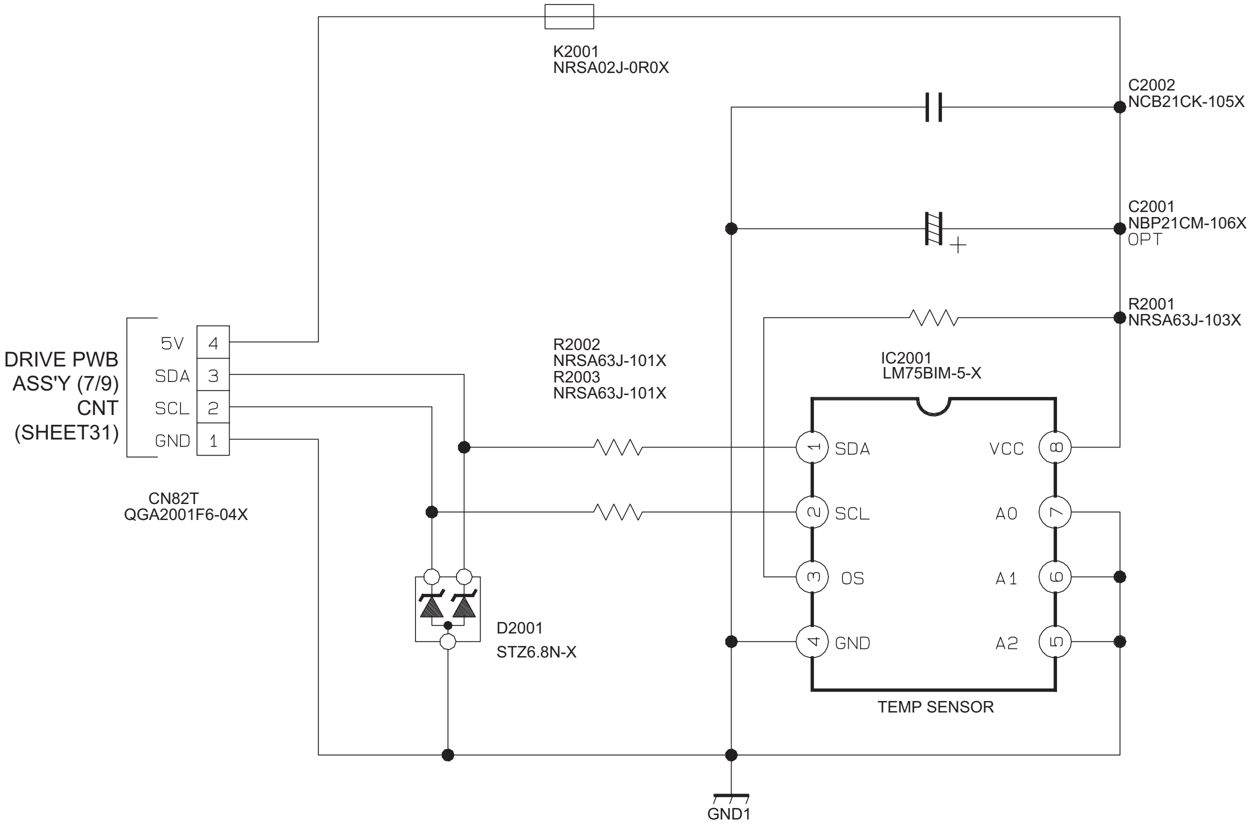
*** DIFFERENCE LIST

	JPN	US
	OLLC08617	OLLC08598
R812	1k	OPEN
R813	33k	OPEN
R814	33k	OPEN
R815	1k	OPEN
D807	UDZS6.8B-X	OPEN
D808	UDZS6.8B-X	OPEN
D809	UDZS6.8B-X	OPEN
D810	UDZS6.8B-X	OPEN
D811	LG22440	OPEN
D812	LH22440	OPEN
Q807	2SC3928A/QR/-X	OPEN
Q808	2SC3928A/QR/-X	OPEN

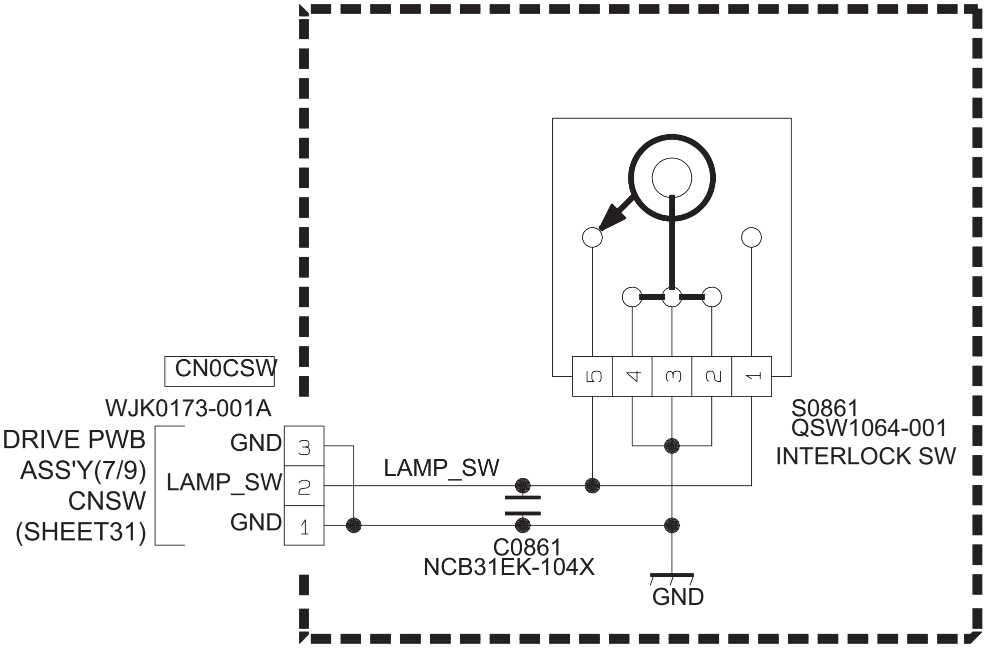
c30184001_0930_1/1_0.0

THERMO PWB ASS'Y

SRA-8201A-M2


K2001
NRSA02J-0R0X
C2002
NCB21CK-105X
C2001
NBP21CM-106X
OPT
R2001
NRSA63J-103X
R2002
NRSA63J-101X
R2003
NRSA63J-101X
IC2001
LM75BIM-5-X
DRIVE PWB
ASS'Y (7/9)
CNT
(SHEET31)
5V 4
SDA 3
SCL 2
GND 1
CN82T
QGA2001F6-04X
1 SDA
2 SCL
3 OS
4 GND
VCC 8
A0 7
A1 6
A2 5
D2001
STZ6.8N-X
TEMP SENSOR
GND1

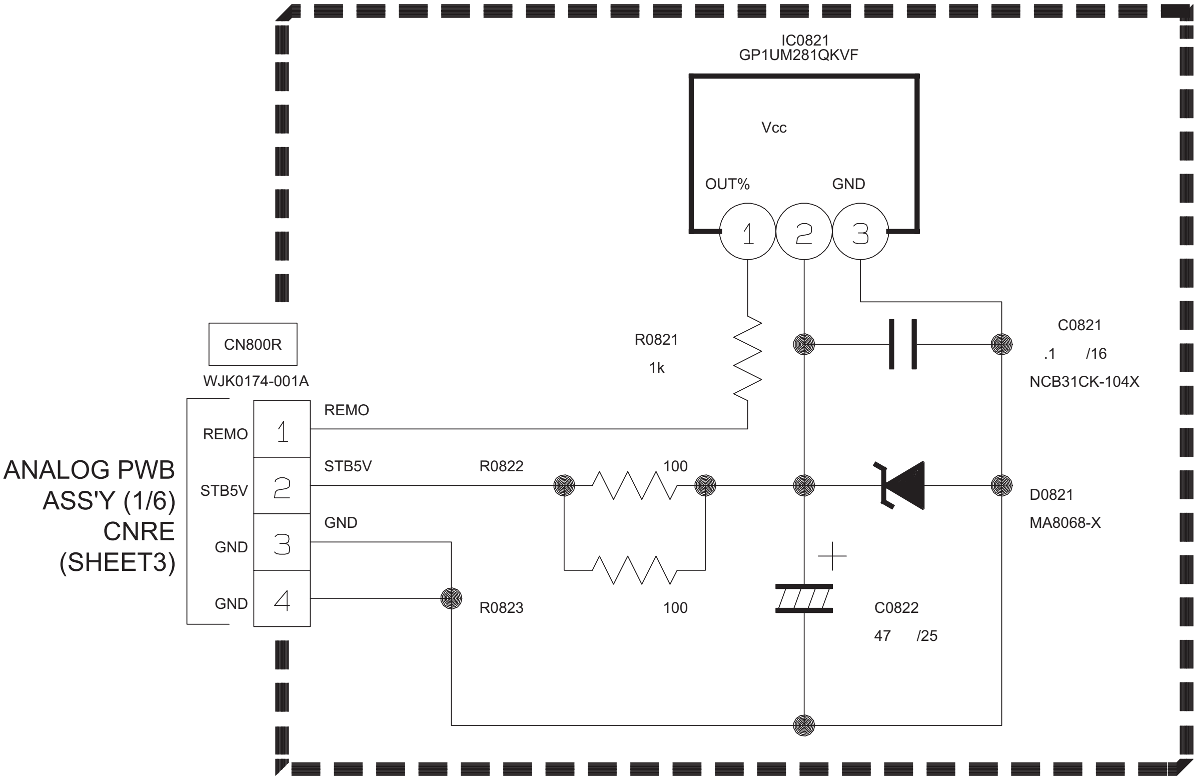
c40078001_0930_1/1_0.0


CN0CSW
WJK0173-001A
DRIVE PWB
ASS'Y(7/9)
CNSW
(SHEET31)
GND 3
LAMP_SW 2
GND 1
LAMP_SW
C0861
NCB31EK-104X
GND
5
4
3
2
1
S0861
QSW1064-001
INTERLOCK SW

LAMP COVER SW PWB ASS'Y

SRA0L201A-M2

c40079001_0930_1/1_0.0

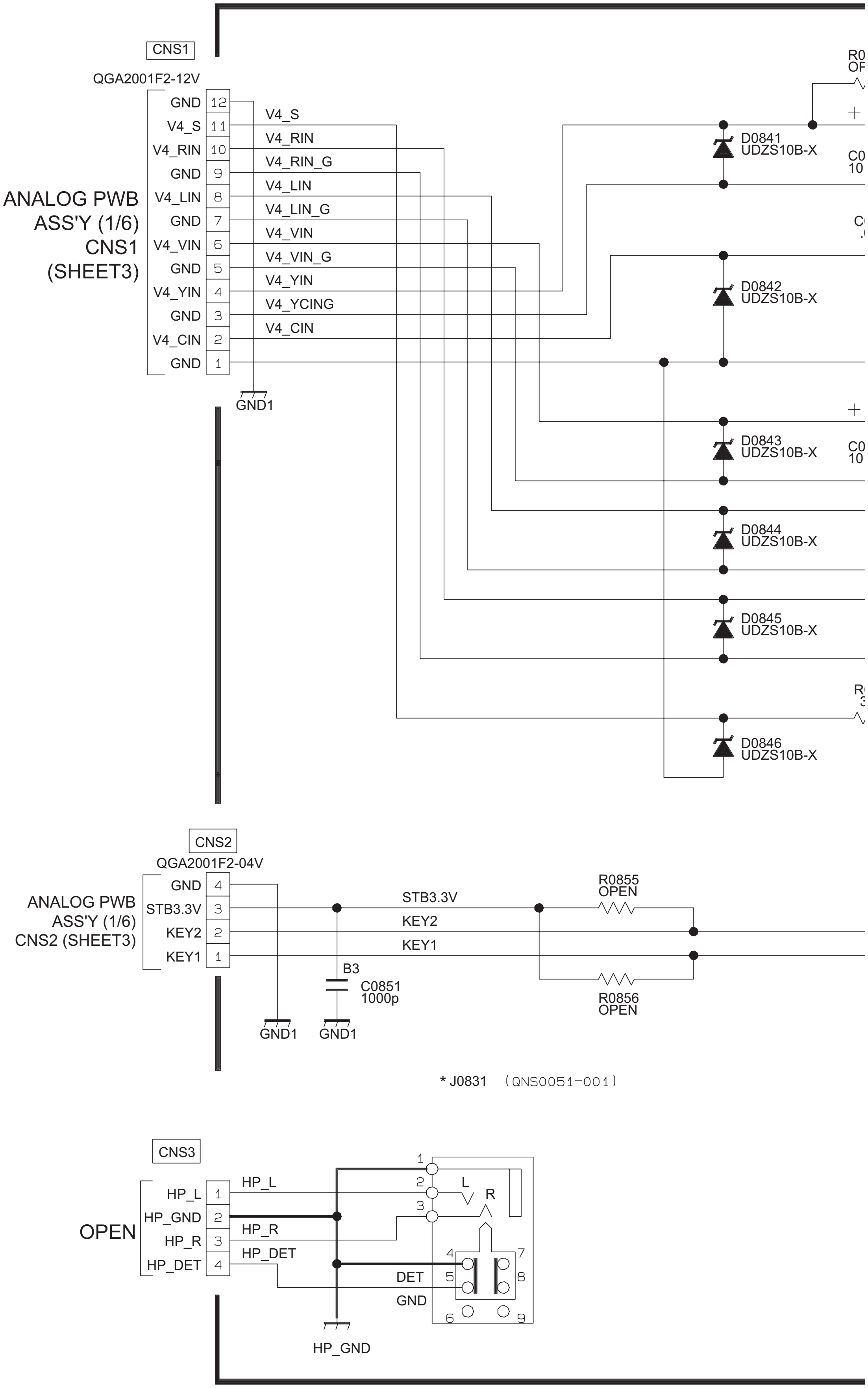

IC0821
GP1UM281QKVF
Vcc
OUT%
GND
1
2
3
R0821
1k
C0821
.1 /16
NCB31CK-104X
CN800R
WJK0174-001A
REMO
REMO
1
ANALOG PWB
ASS'Y (1/6)
CNRE
(SHEET3)
STB5V
STB5V
2
R0822
100
D0821
MA8068-X
GND
GND
3
GND
4
R0823
100
C0822
47 /25

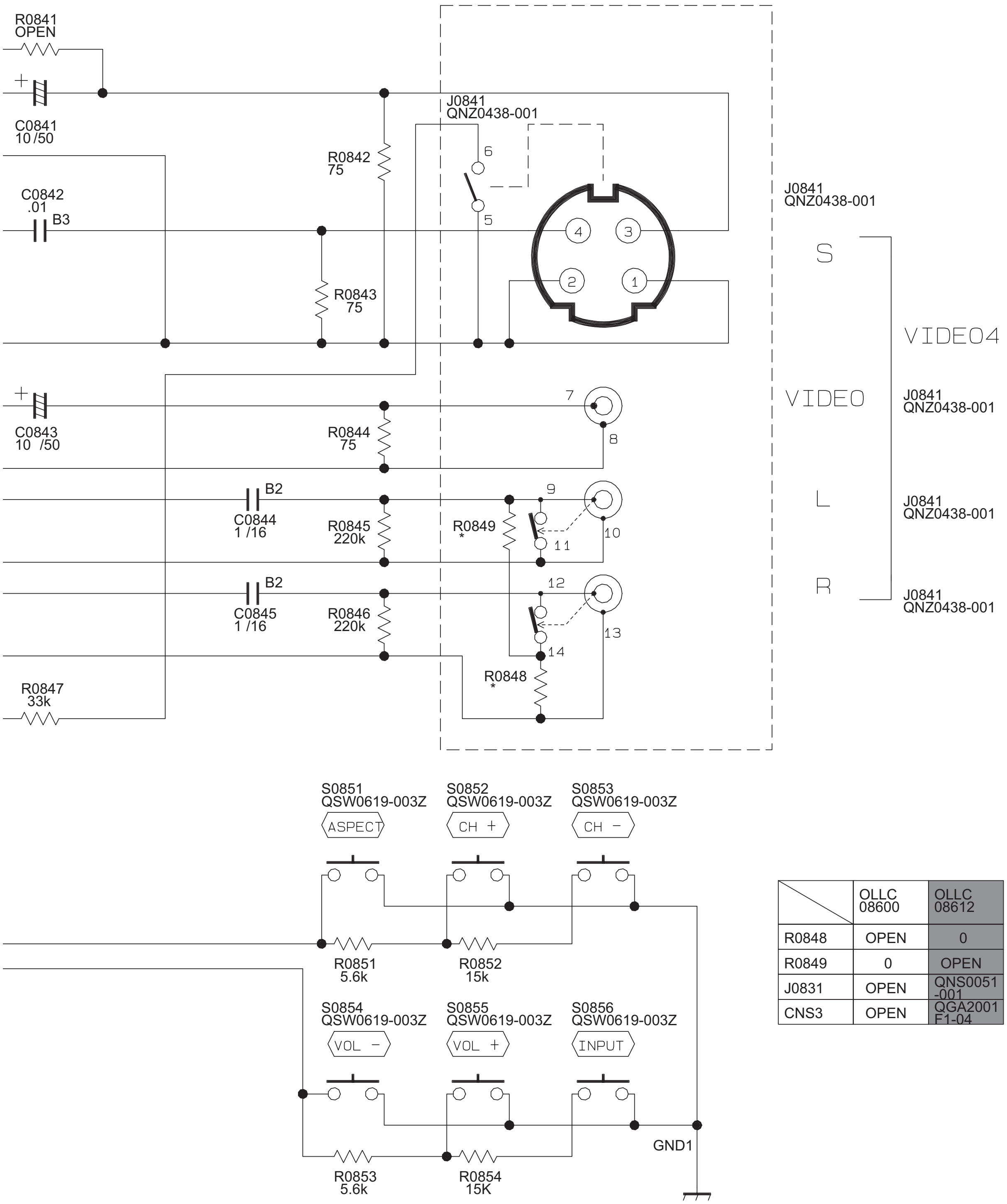
REMOCON PWB ASS'Y

SRA-8001A-M2

c40080001_0930_1/1_0.0

S CONTROL PWB CIRCUIT DIAGRAM SHEET 42


CNS1
QGA2001F2-12V
ANALOG PWB
ASS'Y (1/6)
CNS1
(SHEET3)
GND 12
V4_S 11
V4_RIN 10
GND 9
V4_LIN 8
GND 7
V4_VIN 6
GND 5
V4_YIN 4
GND 3
V4_CIN 2
GND 1
GND1
V4_S
V4_RIN
V4_RIN_G
V4_LIN
V4_LIN_G
V4_VIN
V4_VIN_G
V4_YIN
V4_YCING
V4_CIN
R0
OF
C0
10
C
D0841
UDZS10B-X
D0842
UDZS10B-X
D0843
UDZS10B-X
C0
10
D0844
UDZS10B-X
D0845
UDZS10B-X
R
3
D0846
UDZS10B-X
CNS2
QGA2001F2-04V
ANALOG PWB
ASS'Y (1/6)
CNS2 (SHEET3)
GND 4
STB3.3V 3
KEY2 2
KEY1 1
STB3.3V
KEY2
KEY1
R0855
OPEN
R0856
OPEN
B3
C0851
1000p
GND1
GND1
* J0831 (QNS0051-001)
CNS3
OPEN
HP_L 1
HP_GND 2
HP_R 3
HP_DET 4
HP_L
HP_R
HP_DET
1
2
3
L
R
4
5
7
8
6
9
DET
GND
HP_GND

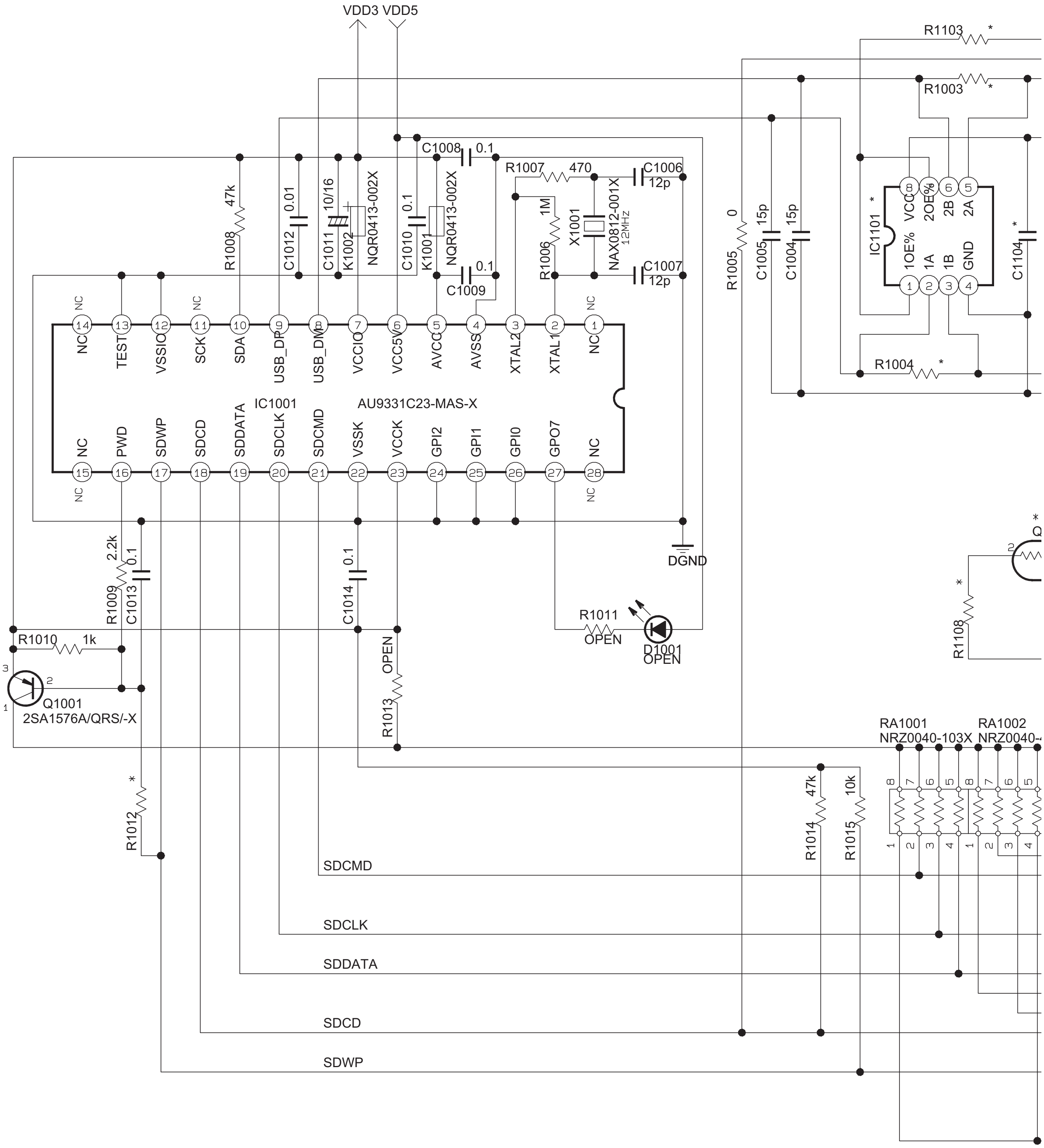

R0841
OPEN
C0841
10 /50
C0842
.01
B3
R0842
75
R0843
75
J0841
QNZ0438-001
6
5
4
3
2
1
S
VIDEO4
VIDEO
L
R
C0843
10 /50
R0844
75
7
8
B2
C0844
1 /16
R0845
220k
R0849
*
9
10
11
C0845
1 /16
R0846
220k
12
13
14
R0848
*
R0847
33k
S0851
QSW0619-003Z
ASPECT
S0852
QSW0619-003Z
CH +
S0853
QSW0619-003Z
CH −
R0851
5.6k
R0852
15k
S0854
QSW0619-003Z
VOL −
S0855
QSW0619-003Z
VOL +
S0856
QSW0619-003Z
INPUT
R0853
5.6k
R0854
15K
GND1

	OLLC 08600	OLLC 08612
R0848	OPEN	0
R0849	0	OPEN
J0831	OPEN	QNS0051-001
CNS3	OPEN	QGA2001F1-04

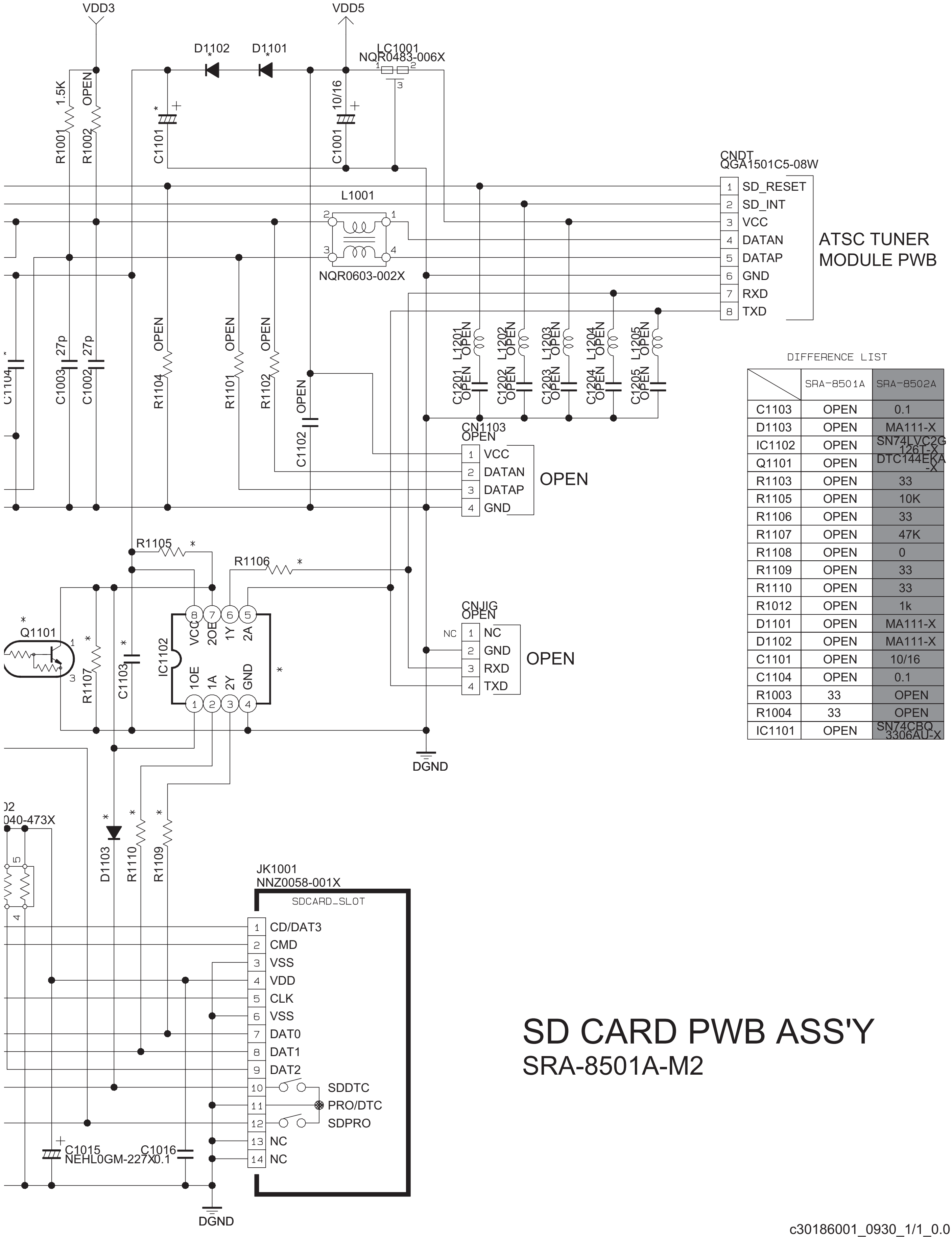
S CONTROL PWB ASS'Y

SRA0L001A-M2

SD CARD PWB CIRCUIT DIAGRAM SHEET 43



VDD3 VDD5
R1103 *
R1003 *
C1008 0.1
R1007 470
C1006 12p
47k
R1008
0.01
C1012
10/16
C1011
K1002
NQR0413-002X
0.1
C1010
K1001
NQR0413-002X
0.1
C1009
1M
R1006
X1001
NAX0812-001X
12MHz
C1007 12p
0
R1005
15p
C1005
15p
C1004
IC1101 *
VCC
2OE%
2B
2A
1OE%
1A
1B
GND
C1104 *
R1004 *
NC
TEST
VSSIO
SCK
SDA
USB_DP
USB_DM
VCCIO
VCC5V
AVCC
AVSS
XTAL2
XTAL1
IC1001
AU9331C23-MAS-X
PWD
SDWP
SDCD
SDDATA
SDCLK
SDCMD
VSSK
VCCK
GPI2
GPI1
GPI0
GPO7
DGND
2.2k
R1009
0.1
C1013
0.1
C1014
R1011
OPEN
D1001
OPEN
R1010 1k
Q1001
2SA1576A/QRS/-X
OPEN
R1013
Q *
R1108 *
RA1001
NRZ0040-103X
RA1002
NRZ0040-
47k
R1014
10k
R1015
R1012 *
SDCMD
SDCLK
SDDATA
SDCD
SDWP


VDD3
VDD5
D1102
D1101
LC1001
NQR0483-006X
R1001 1.5K
R1002 OPEN
C1101
C1001 10/16
CNDT
QGA1501C5-08W
1 SD_RESET
2 SD_INT
3 VCC
4 DATAN
5 DATAP
6 GND
7 RXD
8 TXD
ATSC TUNER MODULE PWB
L1001
NQR0603-002X
C1104
C1003 27p
C1002 27p
R1104 OPEN
R1101 OPEN
R1102 OPEN
C1102 OPEN
L1201 OPEN
L1202 OPEN
L1203 OPEN
L1204 OPEN
L1205 OPEN
C1201 OPEN
C1202 OPEN
C1203 OPEN
C1204 OPEN
C1205 OPEN
CN1103
OPEN
1 VCC
2 DATAN
3 DATAP
4 GND
OPEN
R1105
R1106
Q1101
R1107
C1103
IC1102
VCC 2OE 1Y 2A
1OE 1A 2Y GND
CNJIG
OPEN
NC
1 NC
2 GND
3 RXD
4 TXD
OPEN
DGND
02
040-473X
D1103
R1110
R1109
JK1001
NNZ0058-001X
SDCARD_SLOT
1 CD/DAT3
2 CMD
3 VSS
4 VDD
5 CLK
6 VSS
7 DAT0
8 DAT1
9 DAT2
10 SDDTC
11 PRO/DTC
12 SDPRO
13 NC
14 NC
C1015
NEHL0GM-227X
C1016
0.1
DGND

DIFFERENCE LIST

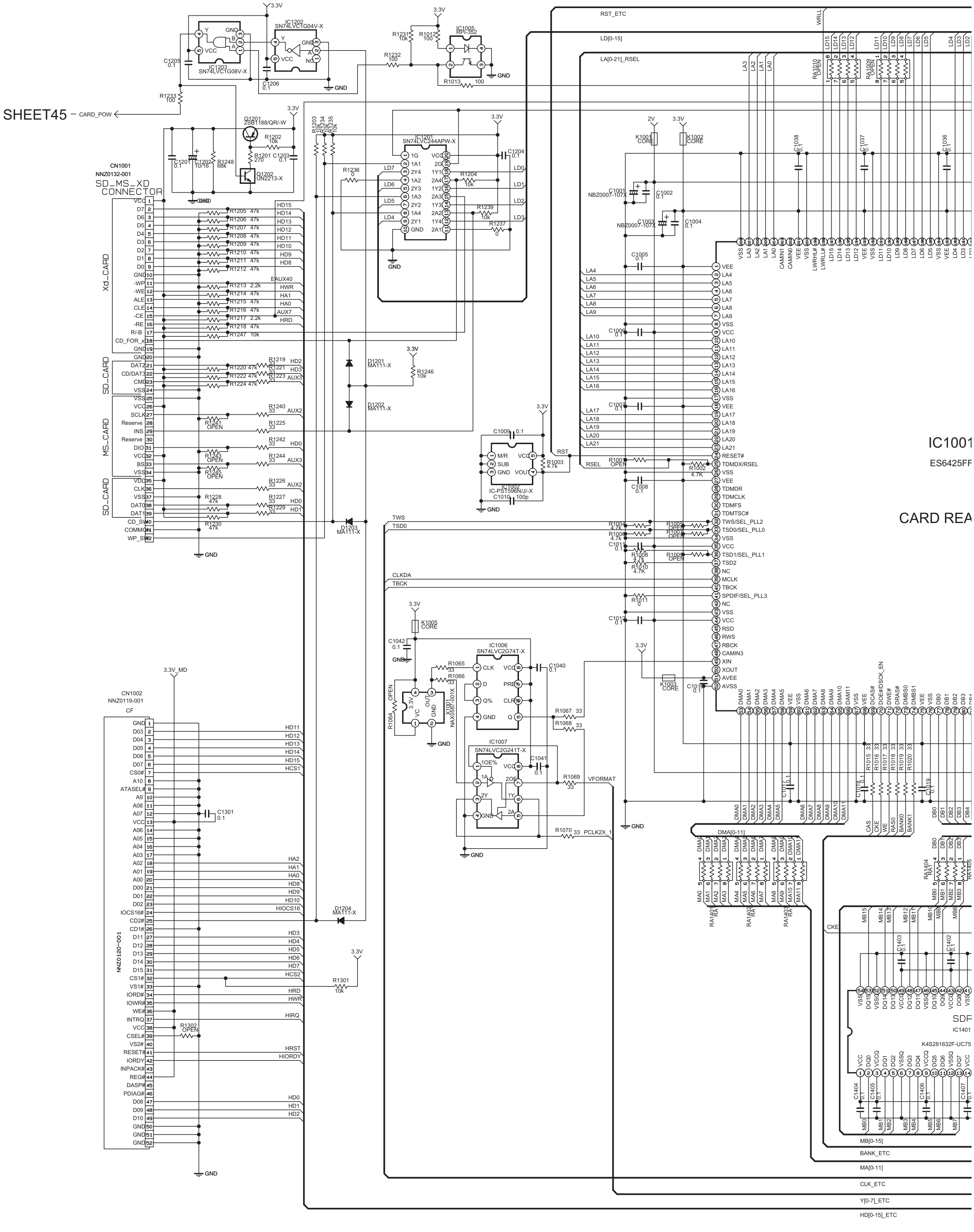
	SRA-8501A	SRA-8502A
C1103	OPEN	0.1
D1103	OPEN	MA111-X
IC1102	OPEN	SN74LVC2G 126T-X
Q1101	OPEN	DTC144EKA -X
R1103	OPEN	33
R1105	OPEN	10K
R1106	OPEN	33
R1107	OPEN	47K
R1108	OPEN	0
R1109	OPEN	33
R1110	OPEN	33
R1012	OPEN	1k
D1101	OPEN	MA111-X
D1102	OPEN	MA111-X
C1101	OPEN	10/16
C1104	OPEN	0.1
R1003	33	OPEN
R1004	33	OPEN
IC1101	OPEN	SN74CBQ 3306AU-X

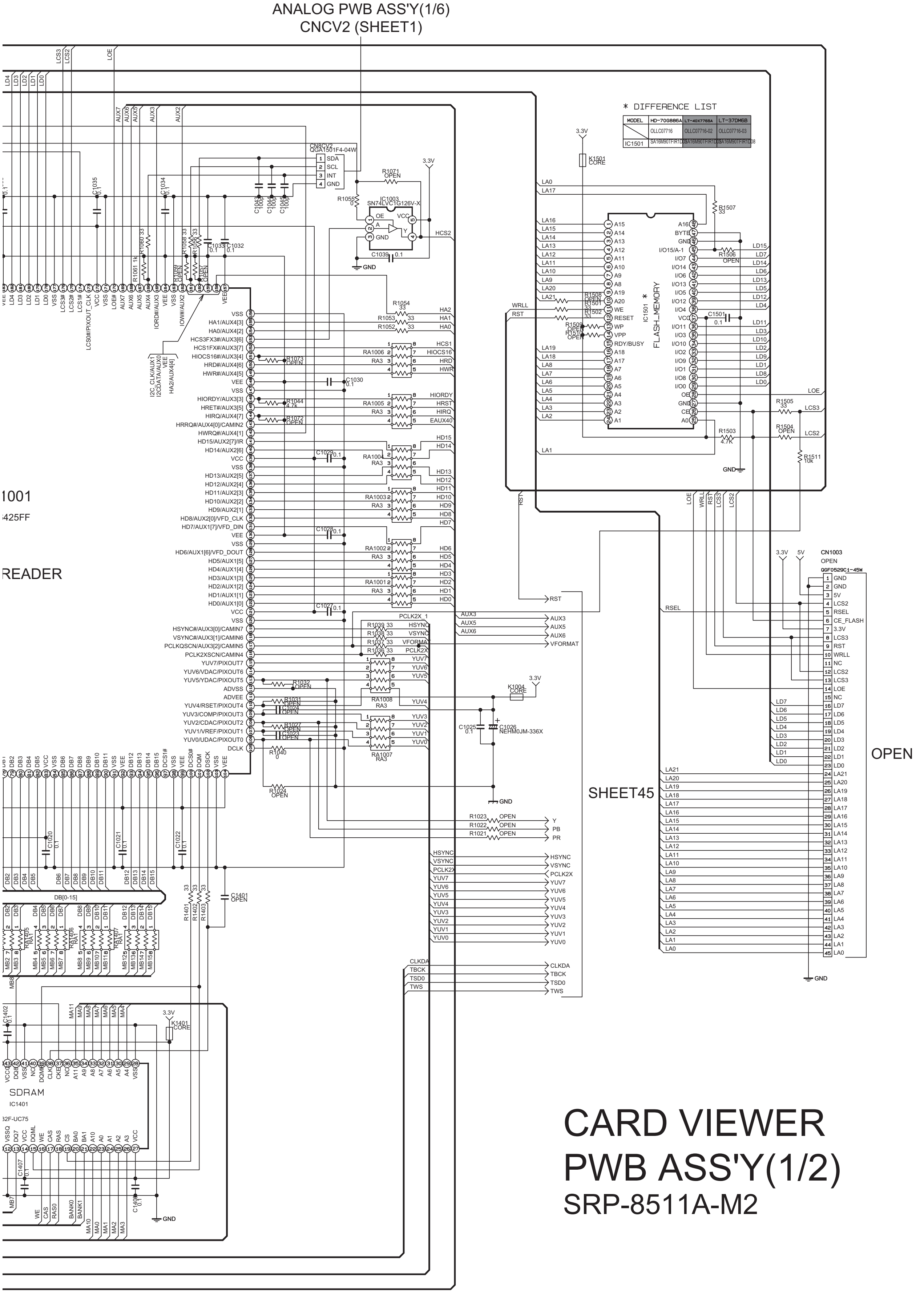
SD CARD PWB ASS'Y

SRA-8501A-M2

c30186001_0930_1/1_0.0

CARD VIEWER PWB CIRCUIT DIAGRAM (1/2) SHEET 44 [HD-70FH96]


SHEET45
CARD_POW
CN1001
NNZ0132-001
SD_MS_XD CONNECTOR
Xd_CARD
SD_CARD
MS_CARD
SD_CARD
CN1002
NNZ0119-001
CF
NNZ0120-001
IC1202
SN74LVC1G04V-X
IC1203
SN74LVC1G08V-X
IC1005
RPI-352
Q1201
2SB1188/QR/-W
Q1202
UN2213-X
IC1201
SN74LVC244APW-X
D1201
MA111-X
D1202
MA111-X
D1203
MA111-X
D1204
MA111-X
IC1002
IC-PST596N/J/-X
IC1006
SN74LVC2G74T-X
IC1007
SN74LVC2G241T-X
X1001
NAX0597-001X
K1005
CORE
K1001
CORE
K1002
CORE
K1003
CORE
C1001
NBZ0007-107X
C1003
NBZ0007-107X
RST_ETC
LD[0-15]
LA[0-21]_RSEL
IC1001
ES6425FF
CARD REA
DMA[0-11]
RA1401
RA1402
RA1403
RA1404
RA1405
SDF
IC1401
K4S281632F-UC75
MB[0-15]
BANK_ETC
MA[0-11]
CLK_ETC
Y[0-7]_ETC
HD[0-15]_ETC
TWS
TSD0
CLKDA
TBCK
VFORMAT
PCLK2X_1
3.3V
3.3V_MD
2V
GND


ANALOG PWB ASS'Y(1/6)
CNCV2 (SHEET1)
CN8CV2
QGA1501F4-04W
SDA
SCL
INT
GND
IC1003
SN74LVC1G126V-X
R1071
OPEN
3.3V
HCS2
1001
425FF
READER
FLASH_MEMORY
IC1501
K1501
CORE
R1507
33
R1506
OPEN
R1505
33
R1504
OPEN
R1503
4.7K
R1511
10k
LOE
LCS3
LCS2
WRLL
RST
RSEL
CN1003
OPEN
GGF0529C1-45W
3.3V
5V
GND
5V
LCS2
RSEL
CE_FLASH
3.3V
LCS3
RST
WRLL
NC
LCS2
LCS3
LOE
NC
OPEN
SHEET45
AUX3
AUX5
AUX6
VFORMAT
Y
PB
PR
HSYNC
VSYNC
PCLK2X
YUV7
YUV6
YUV5
YUV4
YUV3
YUV2
YUV1
YUV0
CLKDA
TBCK
TSD0
TWS
K1004
CORE
C1025
0.1
C1026
NEHM0JM-336X
RA1006
RA1005
RA1004
RA1003
RA1002
RA1001
RA1008
RA1007
RA3
DB[0-15]
C1401
OPEN
K1401
CORE
SDRAM
IC1401
32F-UC75
GND

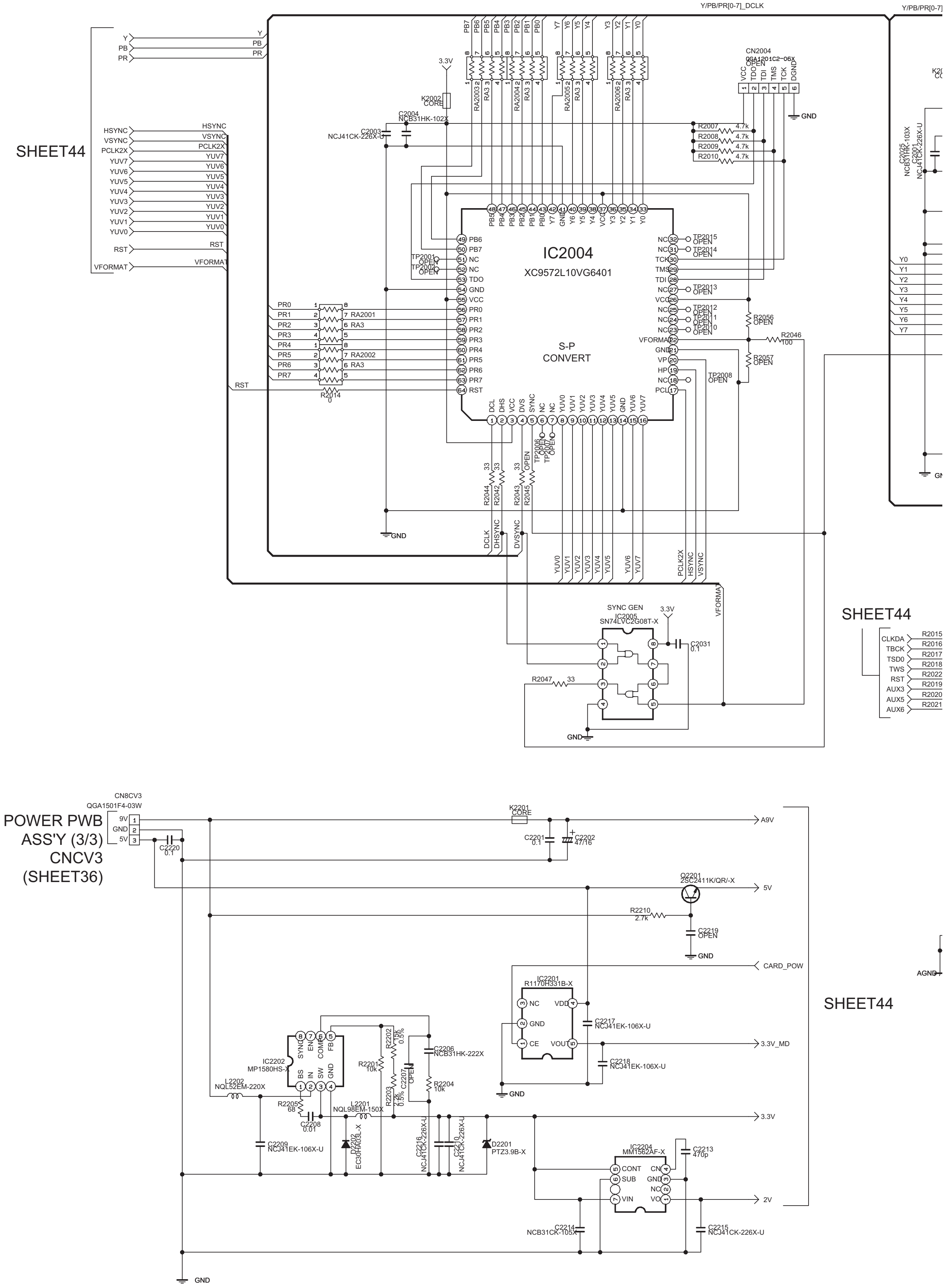
* DIFFERENCE LIST

MODEL	HD-70G886A	LT-40X776SA	LT-37DM6B
	OLLC07716	OLLC07716-02	OLLC07716-03
IC1501	SA16M90TFIR1D0	SA16M90TFIR1D0	SA16M90TFIR1D08

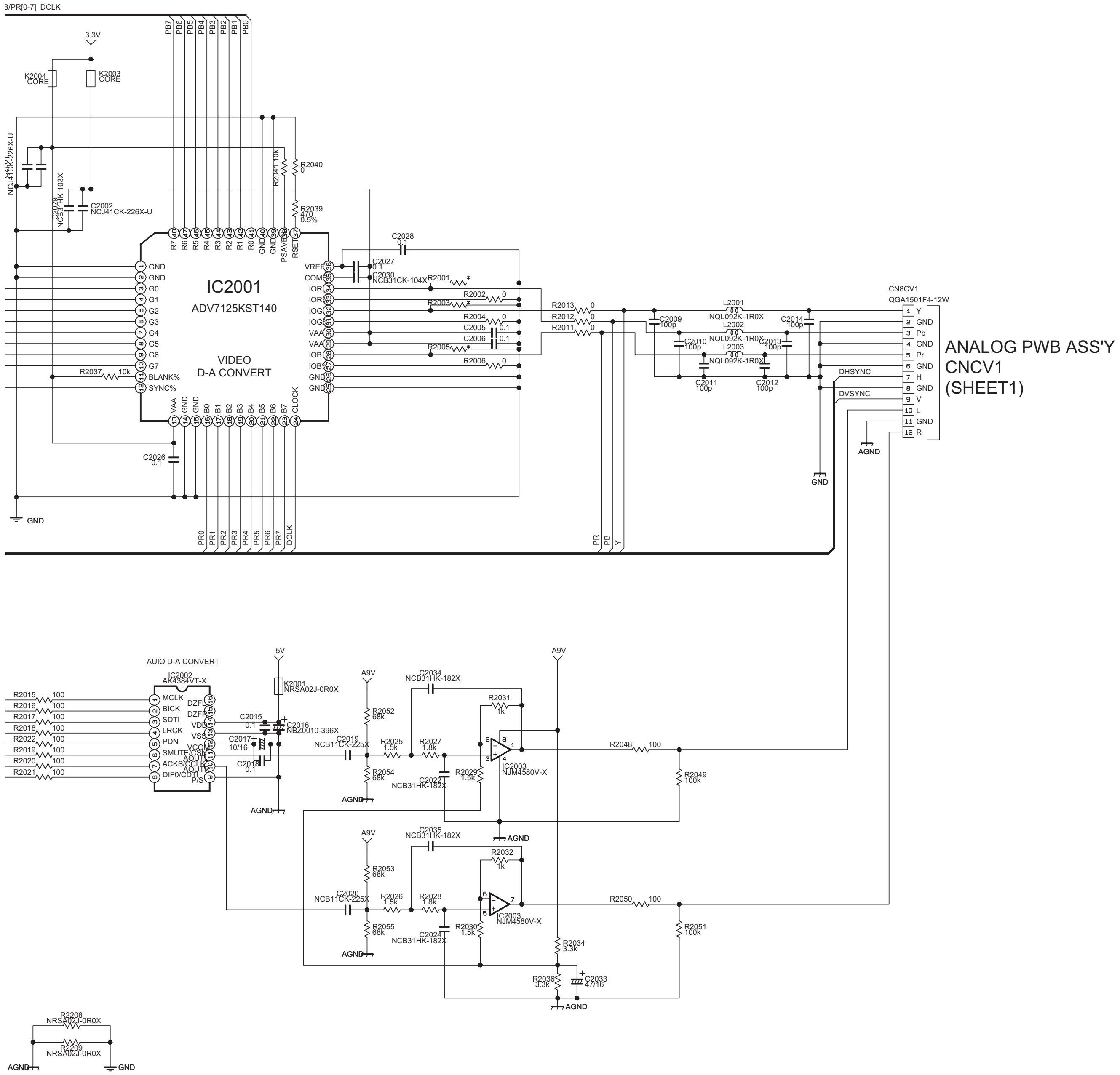
CARD VIEWER PWB ASS'Y(1/2)

SRP-8511A-M2

CARD VIEWER PWB CIRCUIT DIAGRAM (2/2) SHEET 45 [HD-70FH96]



Y/PB/PR[0-7]_DCLK
Y/PB/PR[0-7]
SHEET44
Y
PB
PR
HSYNC
VSYNC
PCLK2X
YUV7
YUV6
YUV5
YUV4
YUV3
YUV2
YUV1
YUV0
RST
VFORMAT
3.3V
K2002
CORE
C2004
NCB31HK-102X
C2003
NCJ41CK-226X-U
RA2003
RA2004
RA2005
RA2006
RA3
CN2004
QGA1201C2-06X
OPEN
VCC
TDO
TDI
TMS
TCK
DGND
GND
R2007 4.7k
R2008 4.7k
R2009 4.7k
R2010 4.7k
IC2004
XC9572L10VG6401
S-P
CONVERT
TP2001
TP2002
TP2015
TP2014
TP2013
TP2012
TP2011
TP2010
TP2008
R2056
R2057
R2046
100
PR0
PR1
PR2
PR3
PR4
PR5
PR6
PR7
RA2001
RA2002
R2014
0
R2044
R2042
R2043
R2045
33
TP2006
TP2007
DCLK
DHSYNC
DVSYNC
SYNC GEN
IC2005
SN74LVC2G08T-X
C2031
0.1
R2047
33
CLKDA
TBCK
TSD0
TWS
AUX3
AUX5
AUX6
R2015
R2016
R2017
R2018
R2022
R2019
R2020
R2021
C2025
NCB31HK-103X
C2001
NCJ41CK-226X-U
CN8CV3
QGA1501F4-03W
POWER PWB
ASS'Y (3/3)
CNCV3
(SHEET36)
9V
5V
C2220
0.1
K2201
CORE
C2201
0.1
C2202
47/16
A9V
Q2201
2SC2411K/QR/-X
5V
R2210
2.7k
C2219
OPEN
CARD_POW
IC2201
R1170H331B-X
NC
VDD
CE
VOUT
C2217
NCJ41EK-106X-U
C2218
NCJ41EK-106X-U
3.3V_MD
AGND
IC2202
MP1580HS-X
SYNC
EN
COMP
FB
BS
IN
SW
L2202
NQL52EM-220X
R2205
68
C2208
0.01
L2201
NQL98EM-150X
R2201
10k
R2202
15k
0.5%
R2203
7.5k
0.5%
C2207
OPEN
C2206
NCB31HK-222X
R2204
10k
C2209
NCJ41EK-106X-U
D2202
EC30HA03L-X
C2216
NCJ41CK-226X-U
C2210
NCJ41CK-226X-U
D2201
PTZ3.9B-X
3.3V
IC2204
MM1562AF-X
CONT
SUB
VIN
CN
NC
VO
C2213
470p
2V
C2214
NCB31CK-105X
C2215
NCJ41CK-226X-U


B/PR[0-7]_DCLK
3.3V
K2004 CORE
K2003 CORE
C2001 NCJ41CK-226X-U
C2025 NCB31HK-103X
C2002 NCJ41CK-226X-U
R2041 10k
R2040 0
R2039 470 0.5%
PB7 PB6 PB5 PB4 PB3 PB2 PB1 PB0
IC2001
ADV7125KST140
VIDEO
D-A CONVERT
GND GND G0 G1 G2 G3 G4 G5 G6 G7 BLANK% SYNC%
R7 R6 R5 R4 R3 R2 R1 R0 GND GND PSAVE RSET
VREF COMP IOR IOR IOG IOG VAA VAA IOB IOB GND GND
VAA GND GND B0 B1 B2 B3 B4 B5 B6 B7 CLOCK
R2037 10k
C2026 0.1
C2028 0.1
C2027 0.1
C2030 NCB31CK-104X
R2001 *
R2002 0
R2003 *
R2004 0
C2005 0.1
C2006 0.1
R2005 *
R2006 0
R2013 0
R2012 0
R2011 0
C2009 100p
C2010 100p
C2011 100p
C2012 100p
C2013 100p
C2014 100p
L2001 NQL092K-1R0X
L2002 NQL092K-1R0X
L2003 NQL092K-1R0X
CN8CV1
QGA1501F4-12W
1 Y
2 GND
3 Pb
4 GND
5 Pr
6 GND
7 H
8 GND
9 V
10 L
11 GND
12 R
DHSYNC
DVSYNC
AGND
GND
ANALOG PWB ASS'Y
CNCV1
(SHEET1)
GND
PR0 PR1 PR2 PR3 PR4 PR5 PR6 PR7 DCLK
PR PB Y
AUIO D-A CONVERT
IC2002
AK4384VT-X
MCLK BICK SDTI LRCK PDN SMUTE/CSN ACKS/CCLK DIF0/CDTI
DZFL DZFR VDD VSS VCOM AOUTL AOUTR P/S
R2015 100
R2016 100
R2017 100
R2018 100
R2022 100
R2019 100
R2020 100
R2021 100
5V
K2001 NRSA02J-0R0X
C2015 0.1
C2016 NBZ0010-396X
C2017 10/16
C2018 0.1
AGND
A9V
R2052 68k
R2054 68k
C2019 NCB11CK-225X
R2025 1.5k
R2027 1.8k
C2034 NCB31HK-182X
R2031 1k
C2022 NCB31HK-182X
R2029 1.5k
IC2003 NJM4580V-X
R2048 100
R2049 100k
A9V
R2053 68k
R2055 68k
C2020 NCB11CK-225X
R2026 1.5k
R2028 1.8k
C2035 NCB31HK-182X
R2032 1k
C2024 NCB31HK-182X
R2030 1.5k
IC2003 NJM4580V-X
R2050 100
R2051 100k
R2034 3.3k
R2036 3.3k
C2033 47/16
AGND
R2208 NRSA02J-0R0X
R2209 NRSA02J-0R0X
AGND
GND

* DIFFERENCE LIST

MODEL	HD-70G886A	LT-40X776SA	LT-37DM6B
	OLLC07716	OLLC07716-02	OLLC07716-03
R2001	75	150	150
R2003	75	150	150
R2005	75	150	150

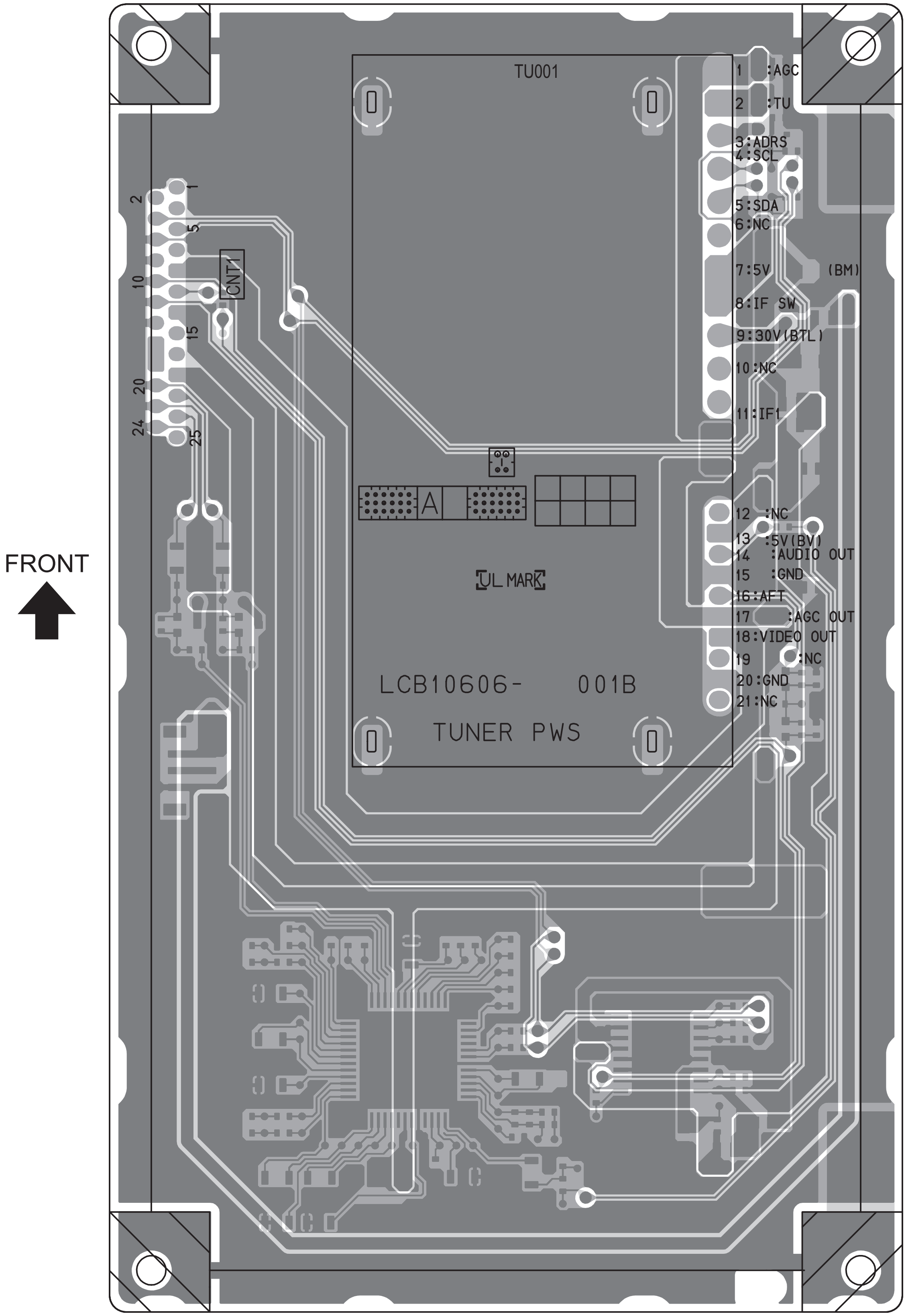
CARD VIEWER PWB ASS'Y(2/2)

SRP-8511A-M2

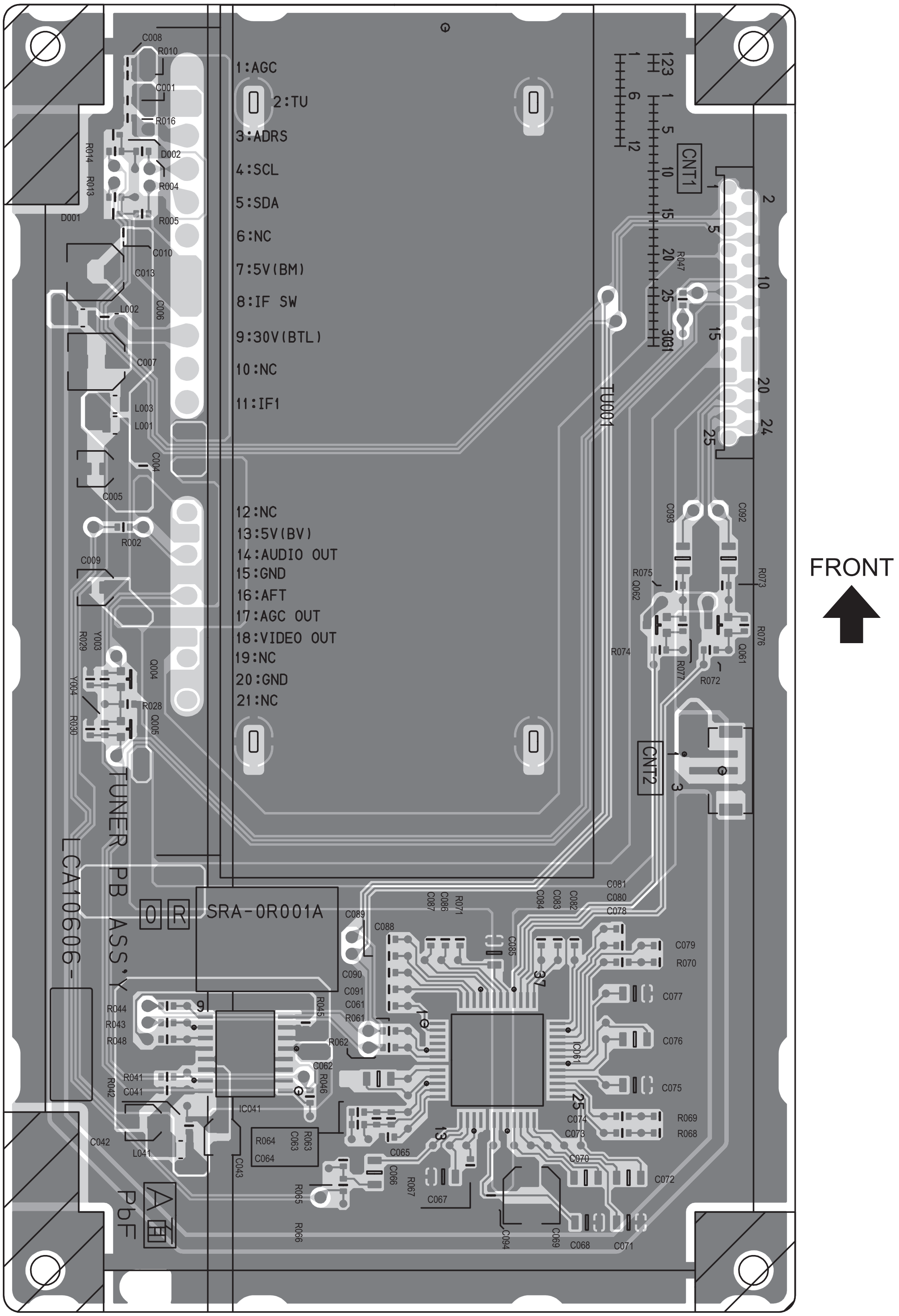
c20158002_1014_2/2_0.0

PATTERN DIAGRAMS

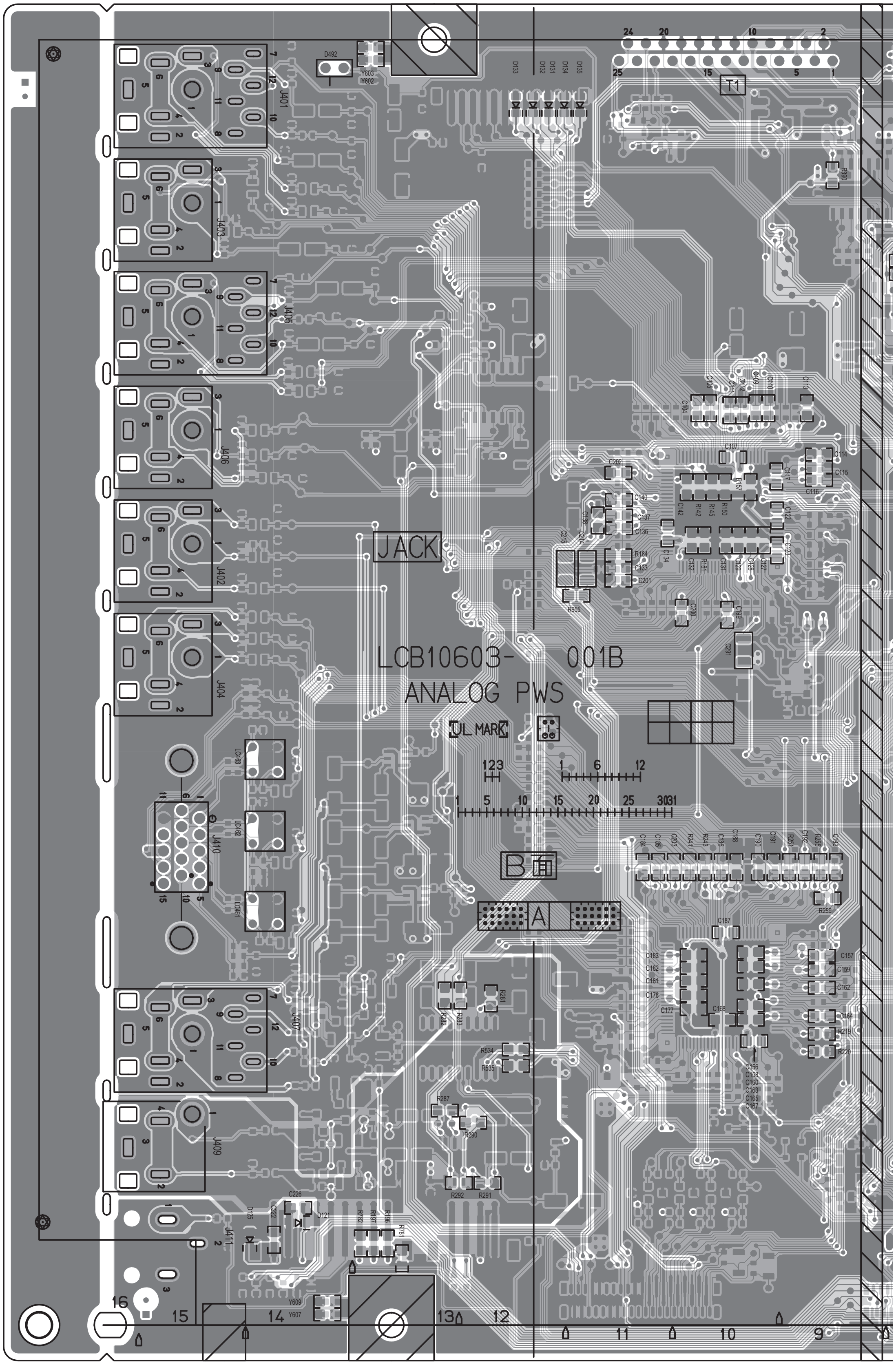
TUNER PWB PATTERN [SOLDER SIDE]

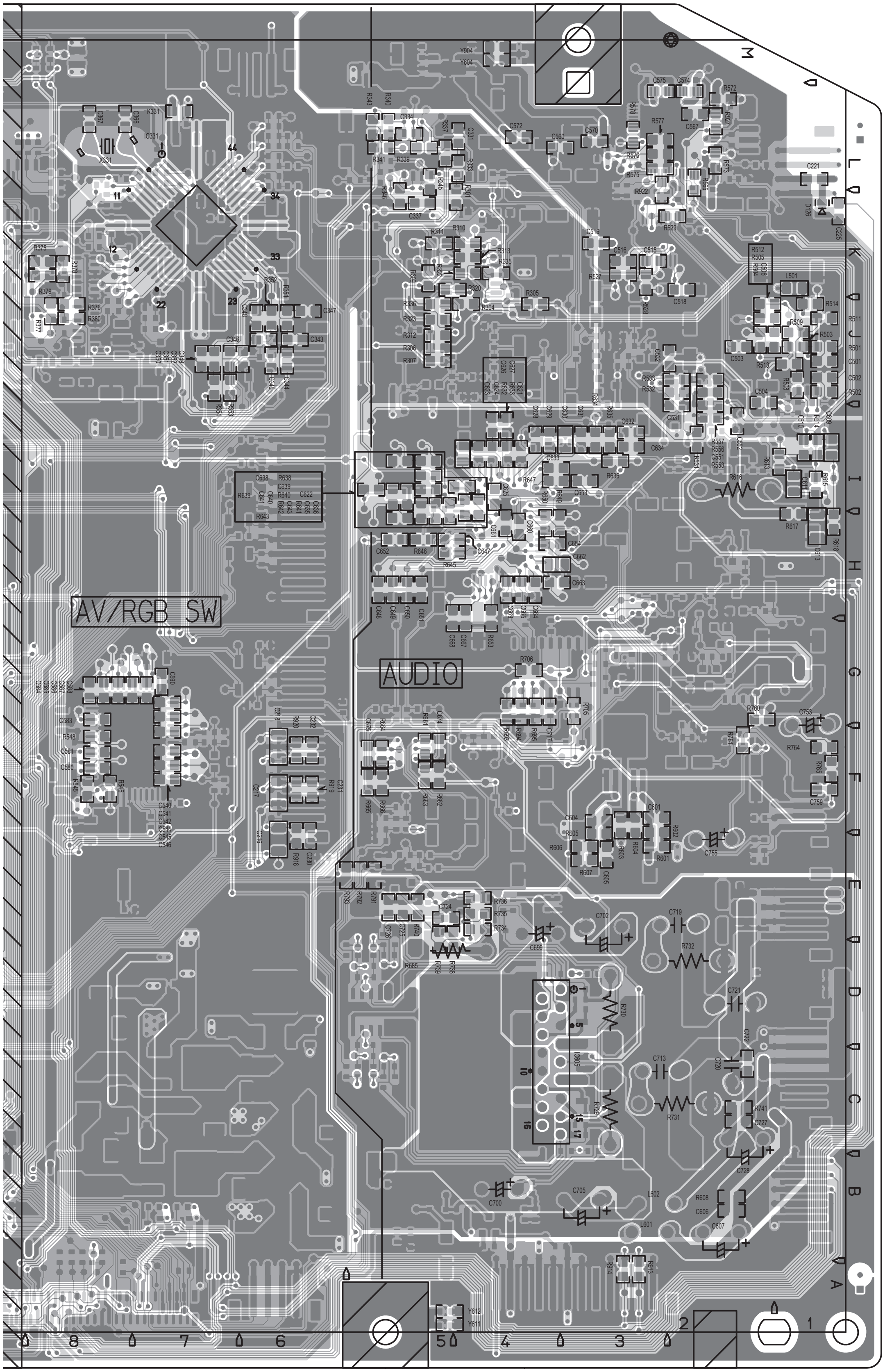

TU001
1 :AGC
2 :TU
3:ADRS
4:SCL
5:SDA
6:NC
7:5V
(BM)
8:IF SW
9:30V(BTL)
10:NC
11:IF1
12 :NC
13 :5V(BV)
14 :AUDIO OUT
15 :GND
16:AFT
17 :AGC OUT
18:VIDEO OUT
19 :NC
20:GND
21:NC
1
2
5
10
15
20
24
25
CNT1
A
UL MARK
LCB10606- 001B
TUNER PWS
FRONT

TUNER PWB PATTERN [PARTS SIDE]


1:AGC
2:TU
3:ADRS
4:SCL
5:SDA
6:NC
7:5V(BM)
8:IF SW
9:30V(BTL)
10:NC
11:IF1
12:NC
13:5V(BV)
14:AUDIO OUT
15:GND
16:AFT
17:AGC OUT
18:VIDEO OUT
19:NC
20:GND
21:NC
TU001
CNT1
CNT2
FRONT
SRA-0R001A
0
R
TUNER PB ASS'Y
LCA10606-
PbF
A
C008
R010
C001
R016
R014
R013
D002
R004
D001
R005
C010
C013
L002
C006
C007
L003
L001
C004
C005
R002
C009
Y003
R029
Q004
Y004
R028
R030
Q005
R047
C093
C092
R075
Q062
R073
R076
R074
Q061
R077
R072
C081
C080
C078
C087
C086
R071
C084
C083
C082
C089
C088
C085
C079
R070
C077
C076
C075
R069
R068
C090
C091
C061
R061
R062
C062
R046
R045
R044
R043
R048
R041
C041
R042
IC041
IC061
C042
L041
C043
R064
C064
R063
C063
C065
C066
R067
C067
R065
R066
C074
C073
C070
C072
C094
C069
C068
C071
37
25
13
1
9

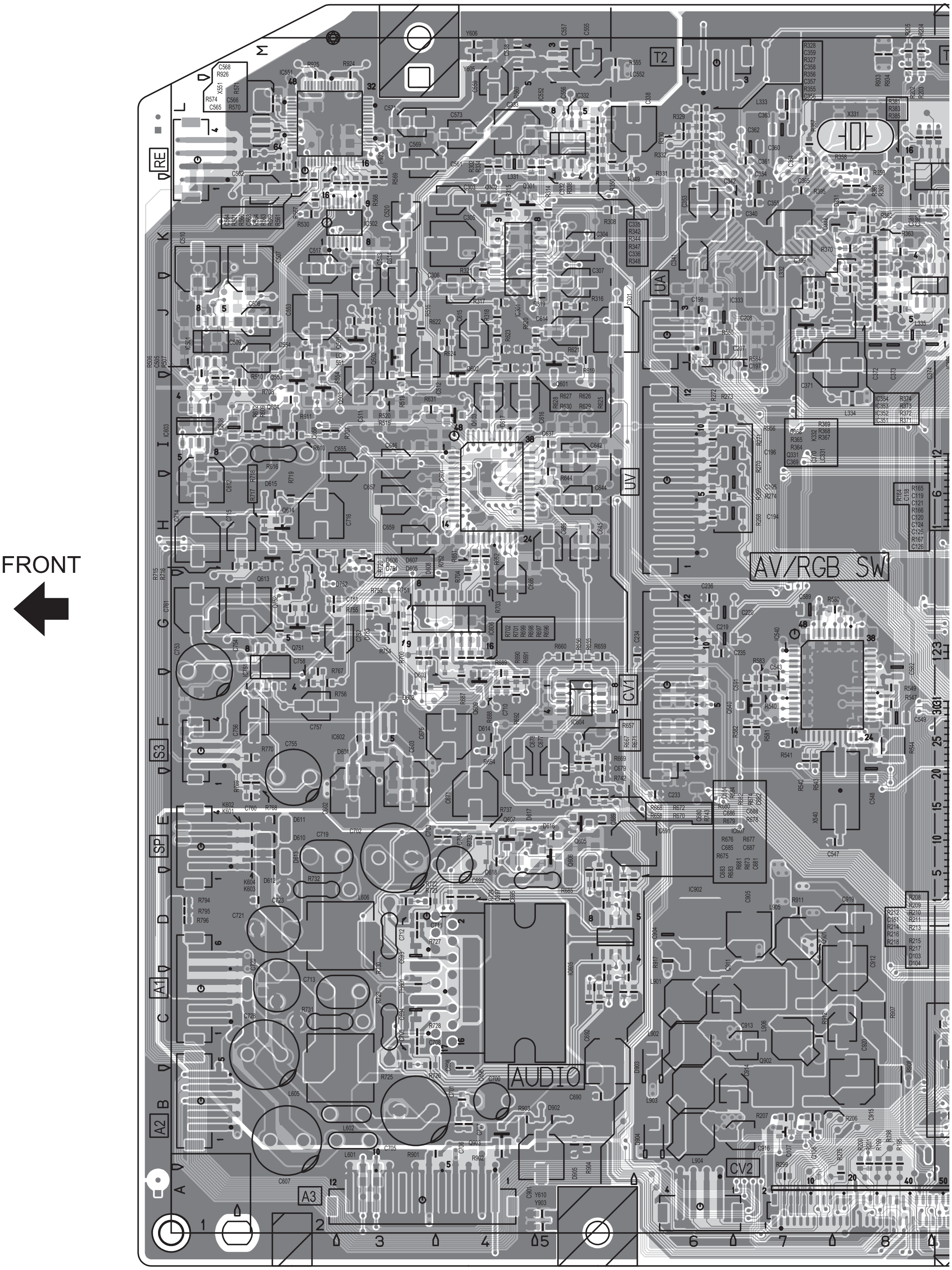
ANALOG PWB PATTERN [SOLDER SIDE]

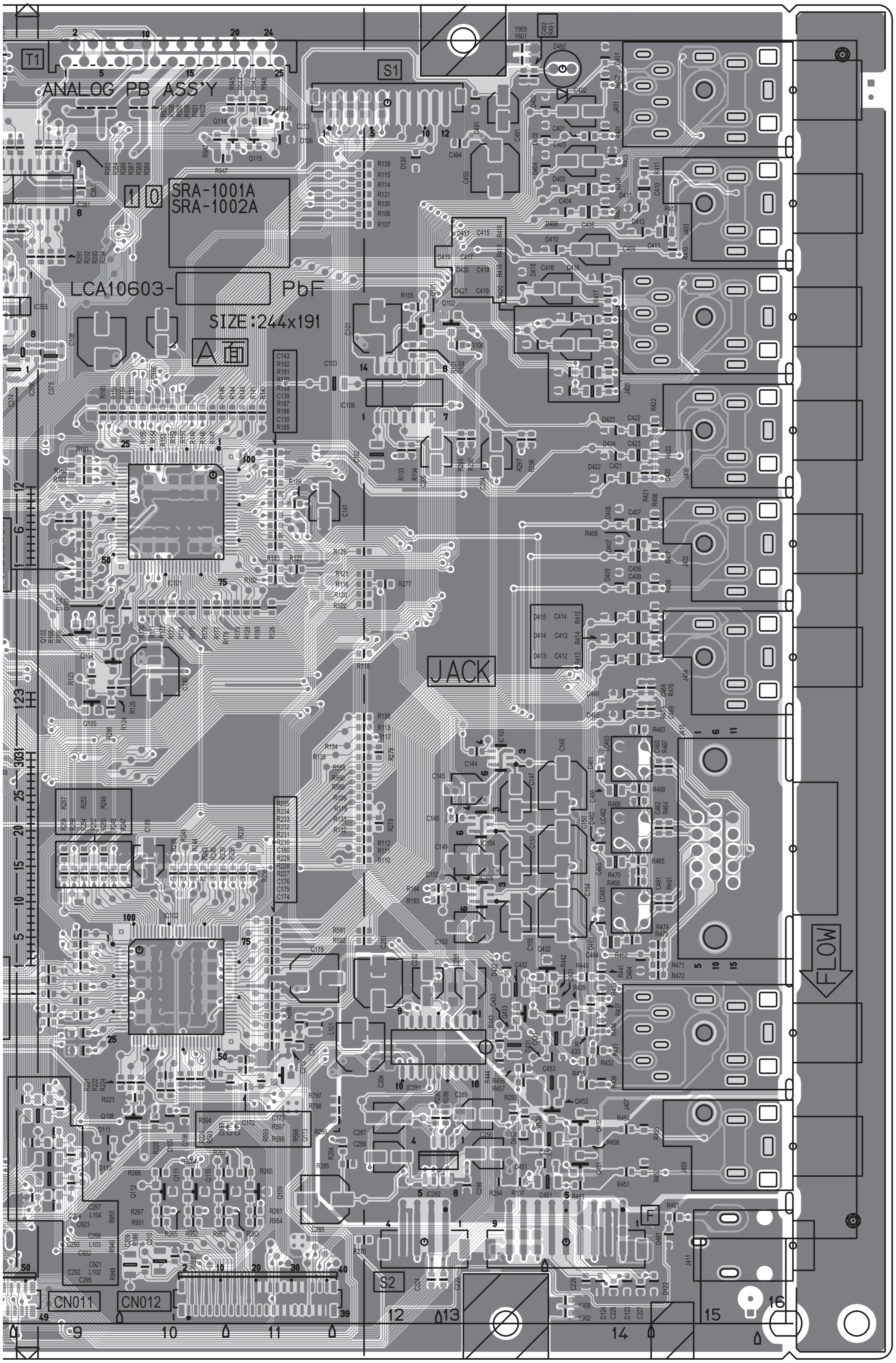

J401
J403
J405
J406
J402
J404
J410
J407
J409
J411
D492
T1
JACK
LCB10603- 001B
ANALOG PWS
B面
A
24
20
10
2
25
15
5
1
16
15
14
13
12
11
10
9


AV/RGB SW
AUDIO
M
L
K
J
I
H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
IC331
X331
IC603
R730
R729
R731
R732
C700
C702
C705
C713
C719
C721
C727
C728
C755
C759
L601
L602
R608
C606
C607
Y611
Y612
Y604
Y904
R616
R617
D126
C221
C225
L501
R512
R505
1
5
10
15
16
17
11
12
22
23
33
34
44

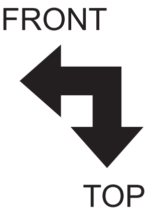
FRONT

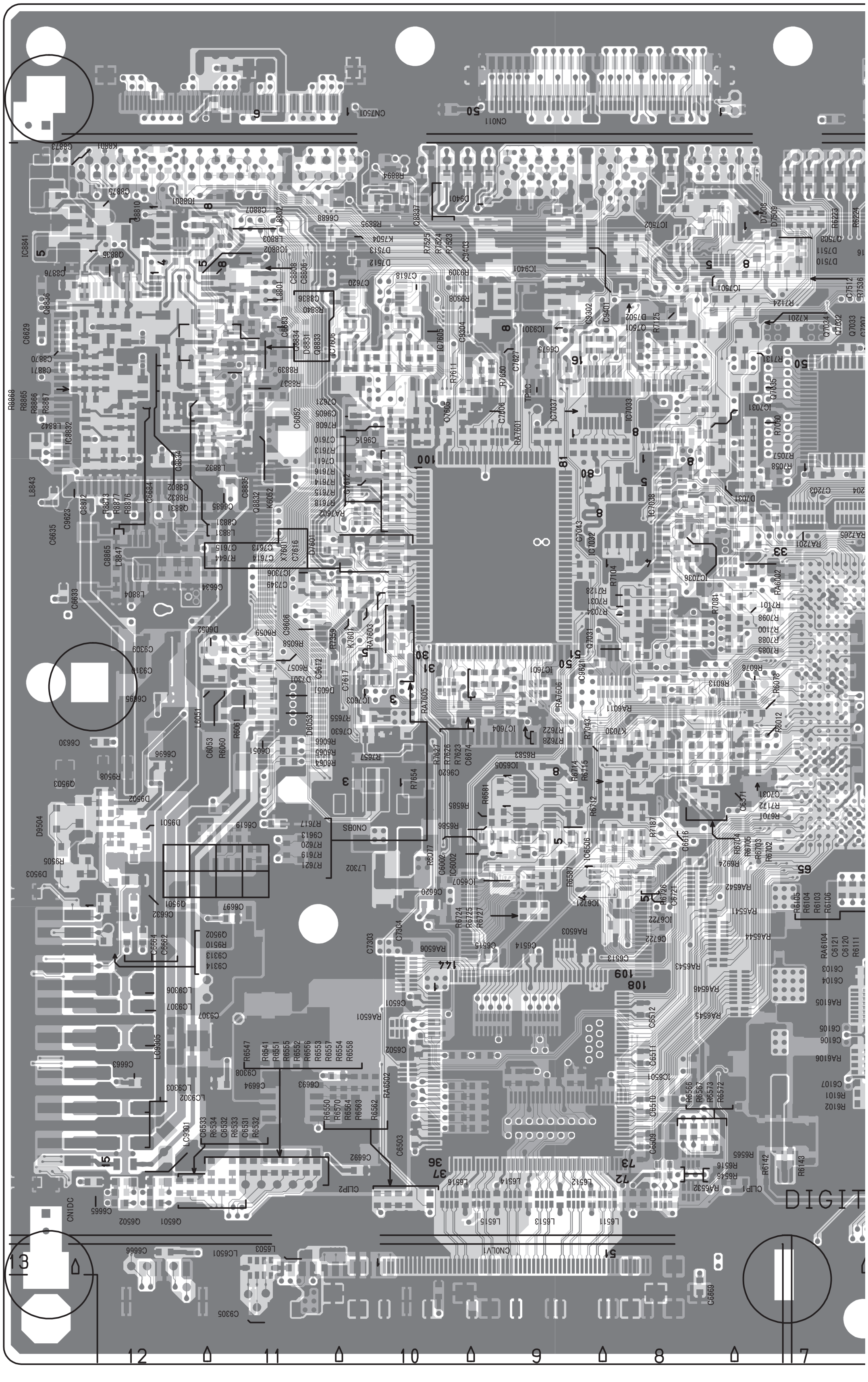
ANALOG PWB PATTERN [PARTS SIDE]

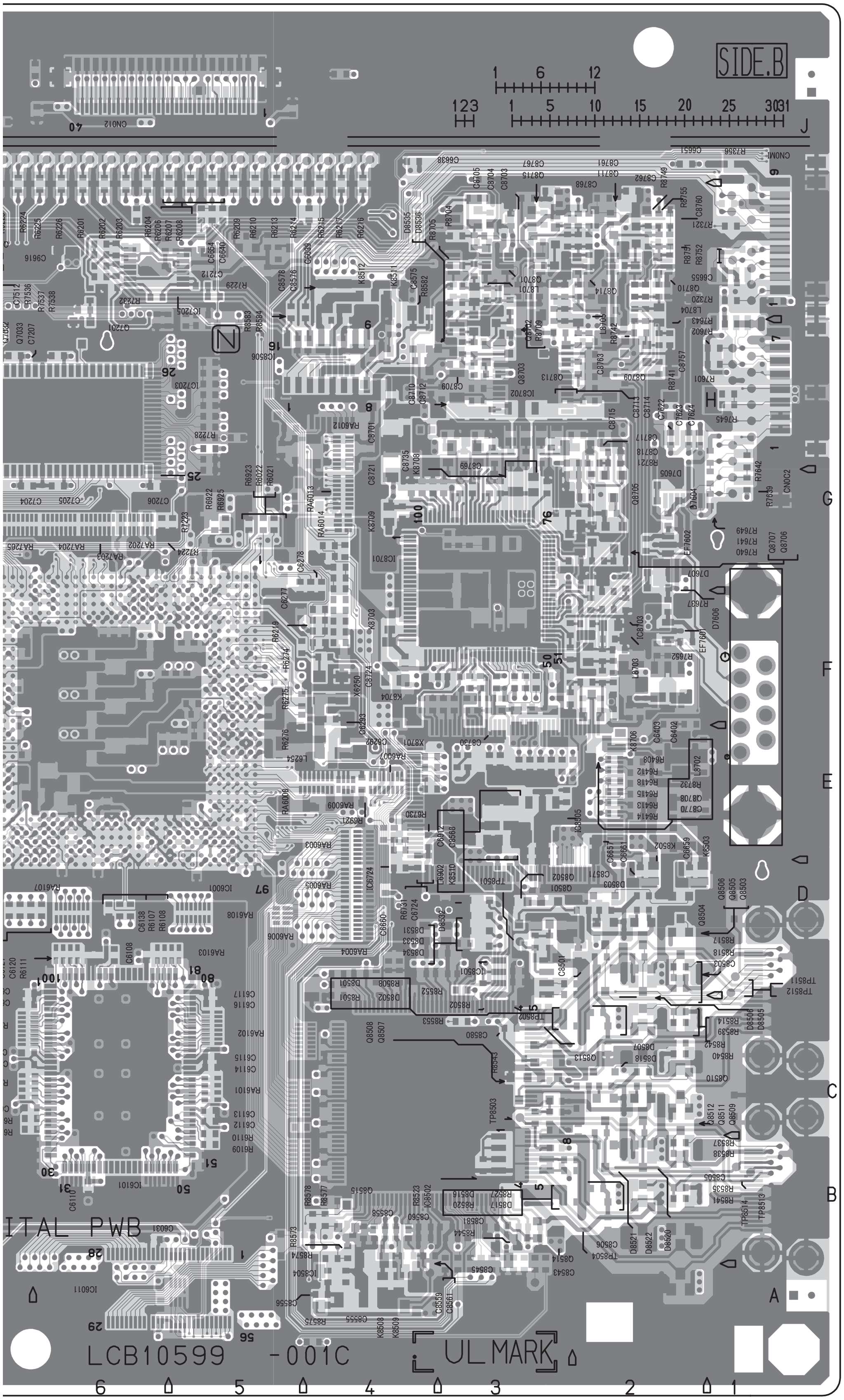

FRONT
RE
T2
UA
UV
AV/RGB SW
CV1
S3
SP
A1
A2
A3
AUDIO
CV2
IC551
IC602
IC604
IC902
X331
X540
A
B
C
D
E
F
G
H
I
J
K
L
M
1
2
3
4
5
6
7
8


ANALOG PB ASS'Y
SRA-1001A
SRA-1002A
LCA10603-
PbF
SIZE:244x191
JACK
FLOW
T1
S1
S2
F
CN011
CN012
IC101
IC102
IC106
IC281
IC282
9
10
11
12
13
14
15
16

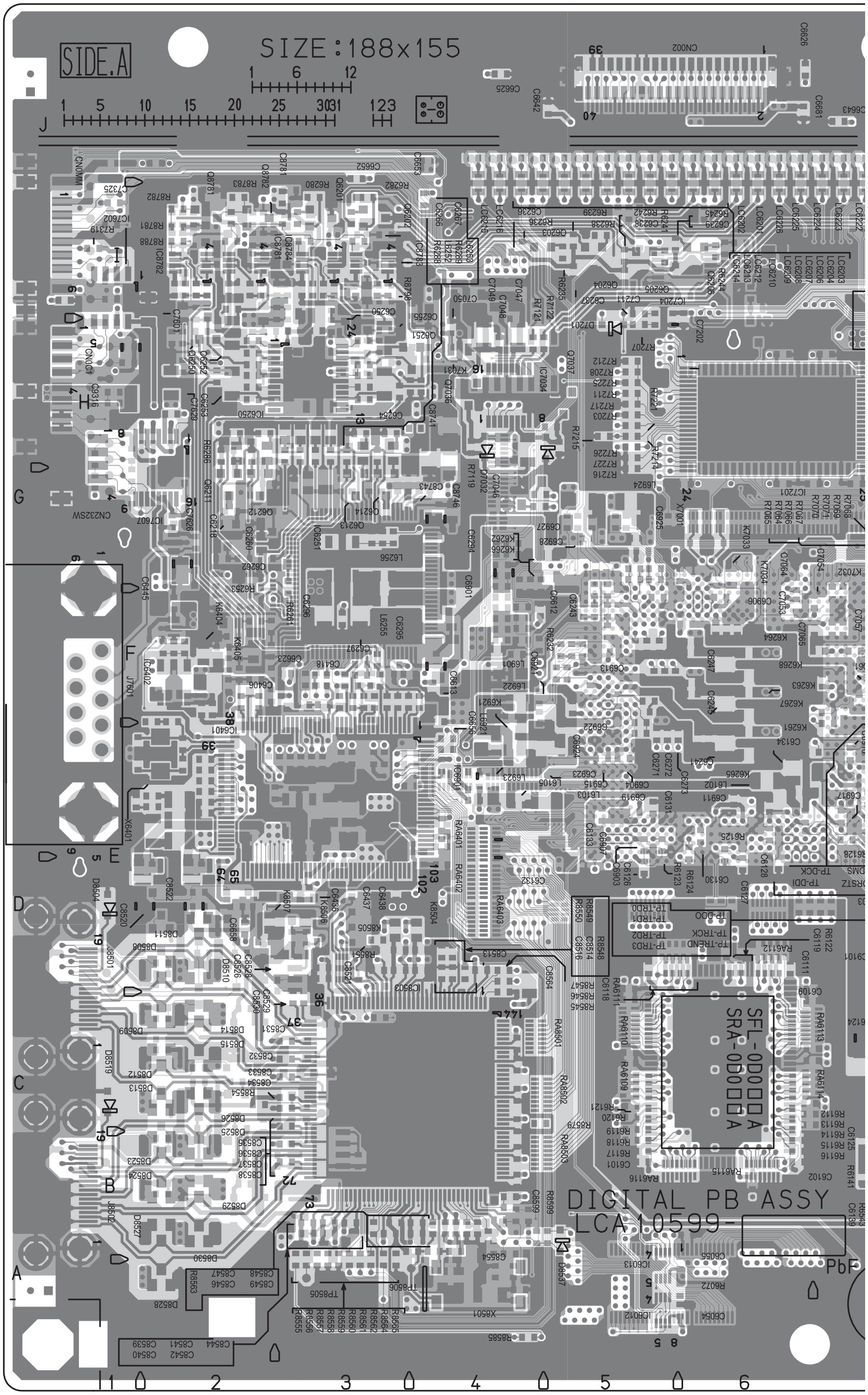
DIGITAL PWB PATTERN [SOLDER SIDE]

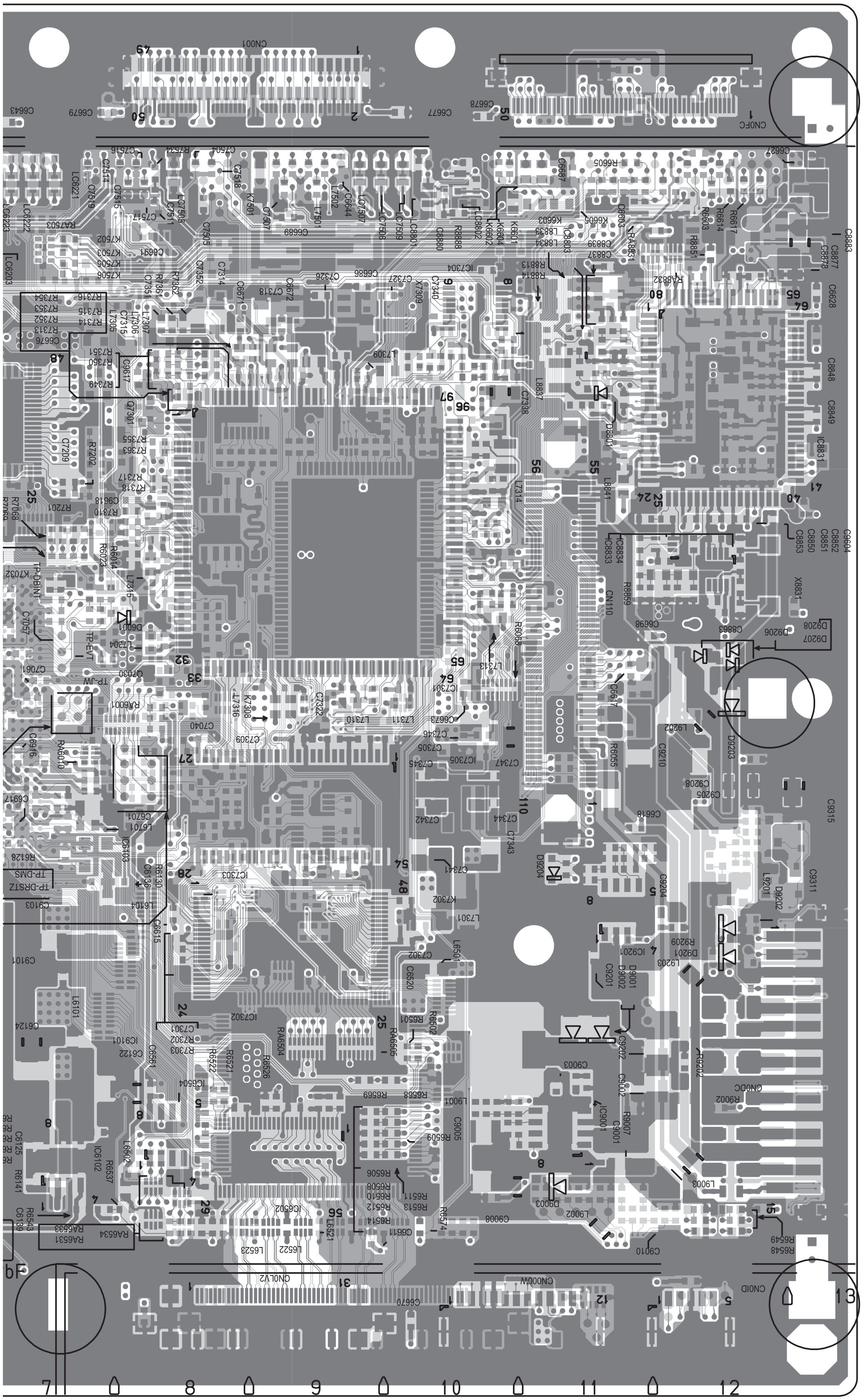



CN7501
CN011
CN0LV1
CN1DC
CLIP1
CLIP2
DIGIT
12
11
10
9
8
7
13


SIDE.B
1 6 12
123
1 5 10 15 20 25 3031
J
H
G
F
E
D
C
B
A
CN012
40
IC8701
100
76
50
51
IC6101
IC6011
IC8501
ITAL PWB
LCB10599 -001C
UL MARK
6
5
4
3
2
1

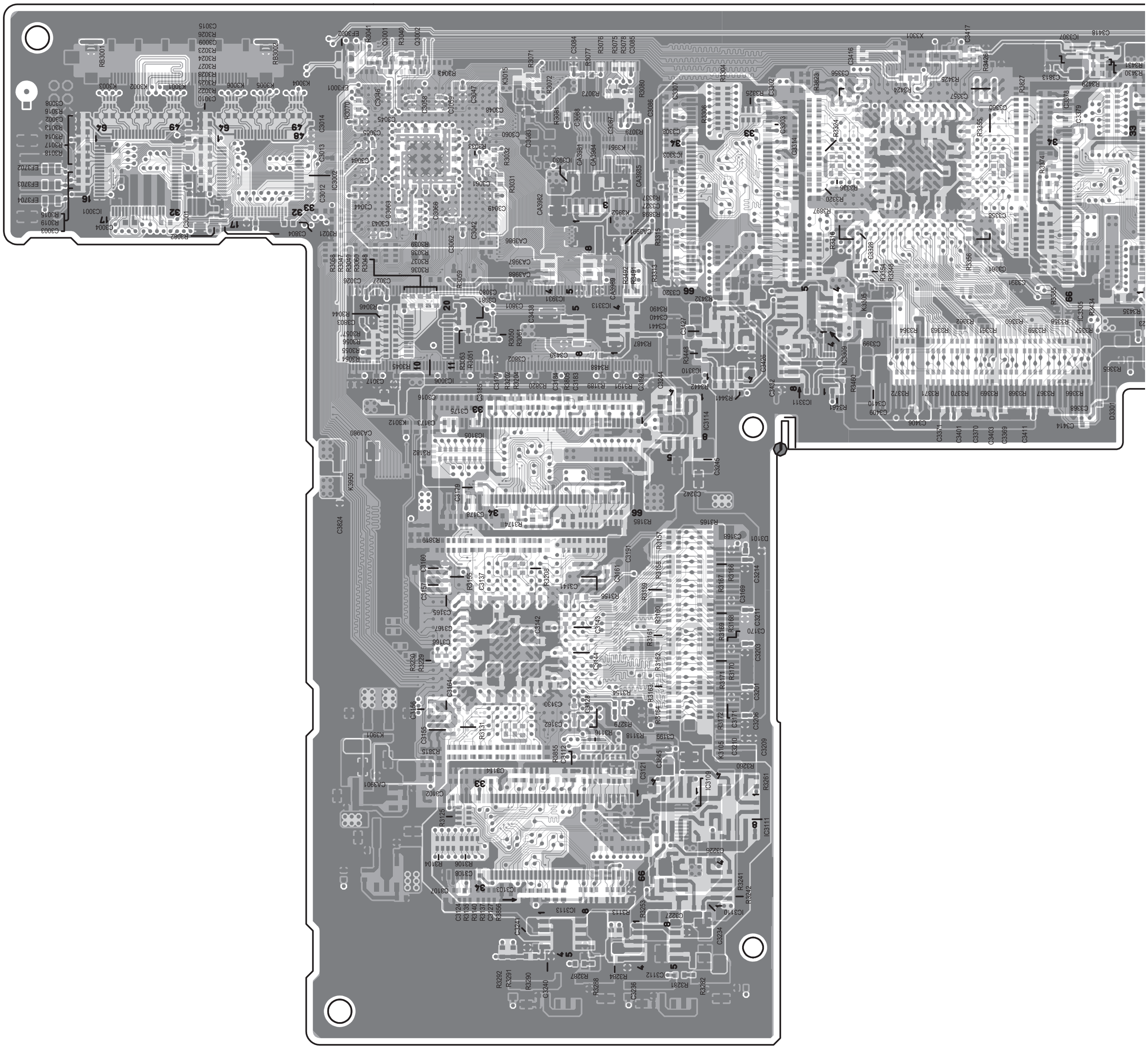
DIGITAL PWB PATTERN [PARTS SIDE]

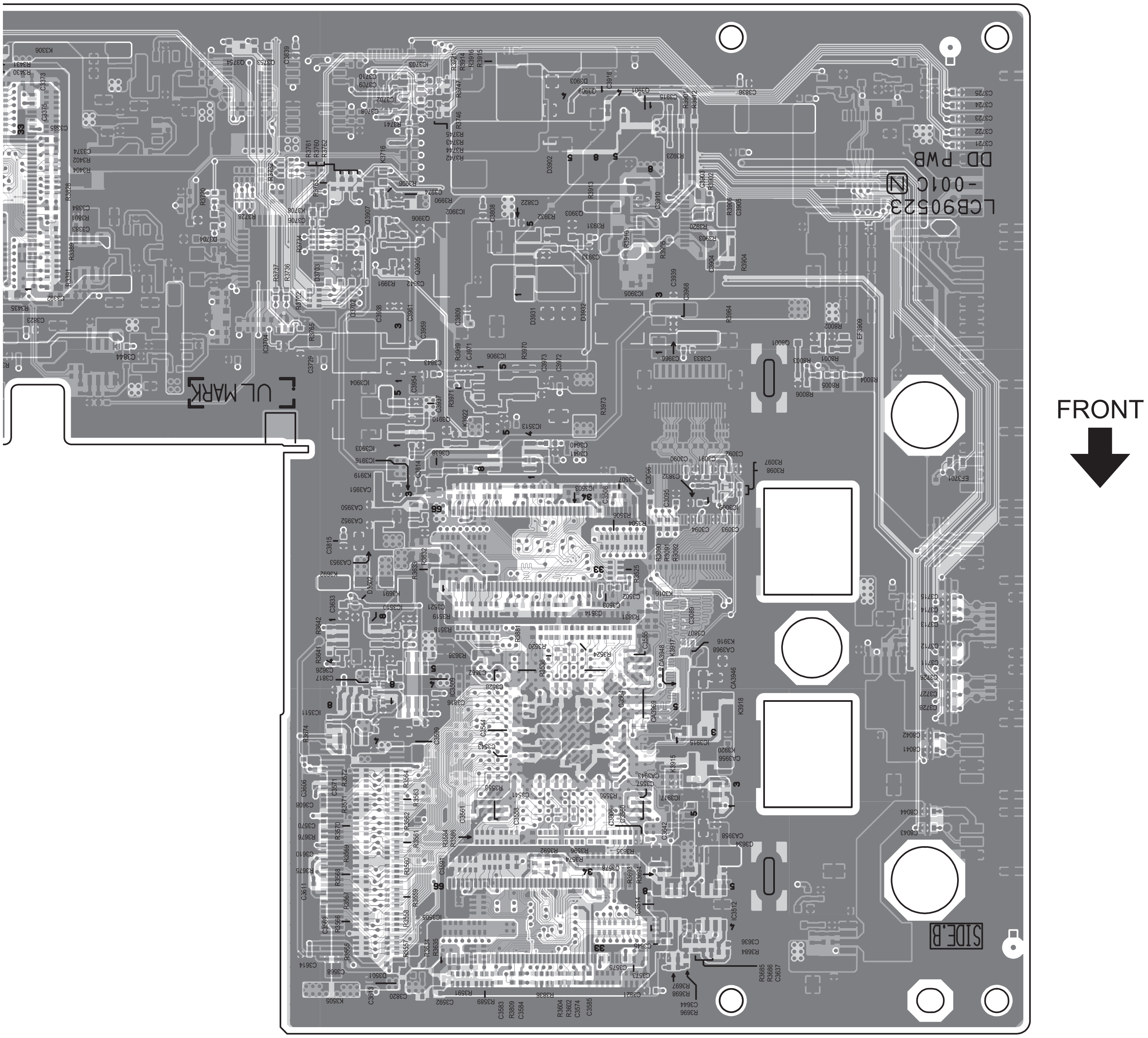

SIDE.A
SIZE:188x155
CN002
CN0MM
CN232SW
J7601
DIGITAL PB ASSY
LCA10599-
PbF
SFL-0D□□□A
SRA-0D□□□A
IC6250
IC6401
IC8501
IC7201
IC6013
IC6012
X7001
X6401
X8501
TP-DD0
TP-TRD0
TP-TRD1
TP-TRD2
TP-TRD3
TP-TRCK
TP-TREND
J
G
F
E
D
C
B
A
1
2
3
4
5
6


CN001
CN0FC
IC8831
CN110
IC7304
IC7303
IC7302
IC7305
IC6502
IC9101
IC9201
IC9001
IC6102
CN0DC
CN0LV2
CN00W
CN0ID
7
8
9
10
11
12
13

FRONT
TOP

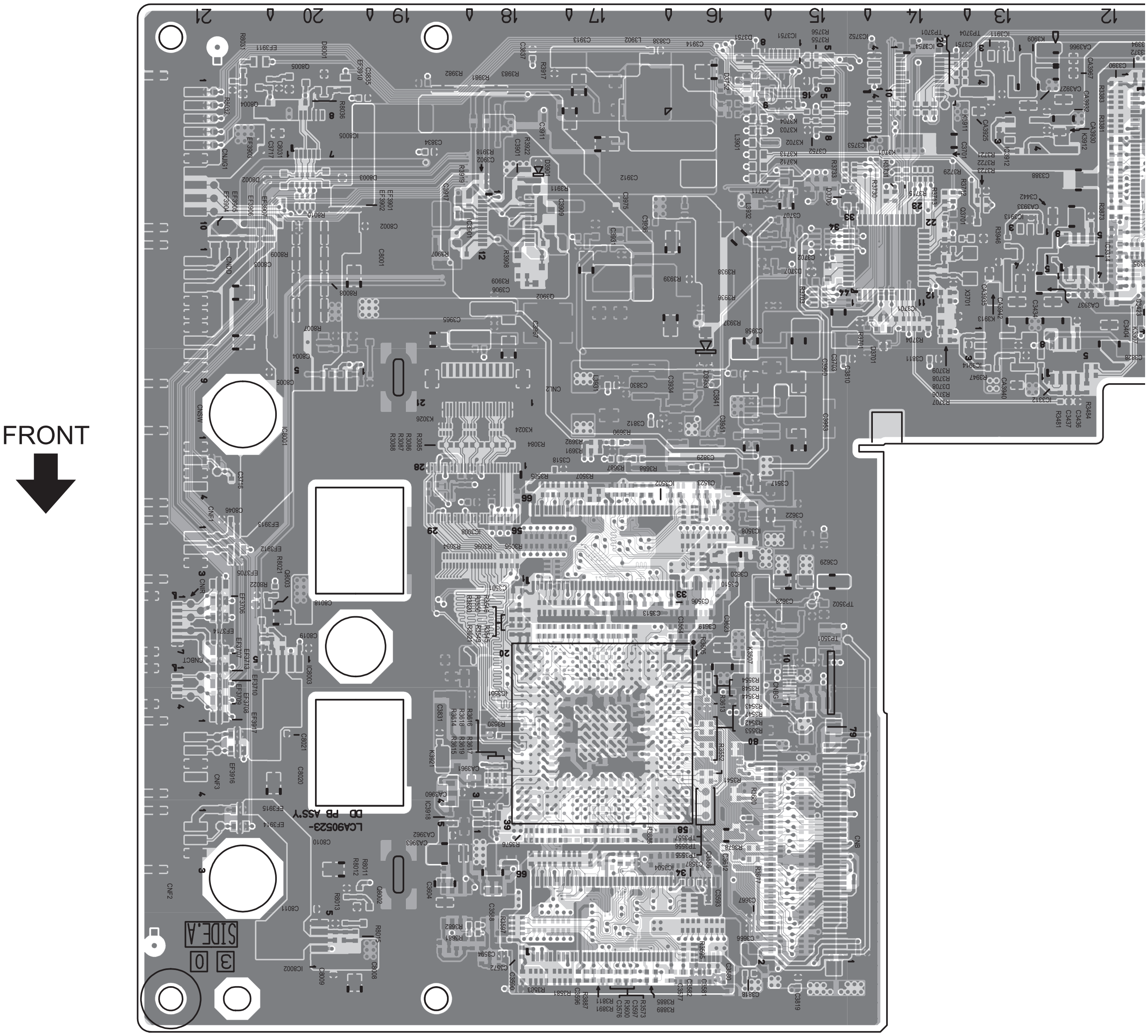
DRIVE PWB PATTERN [SOLDER SIDE]

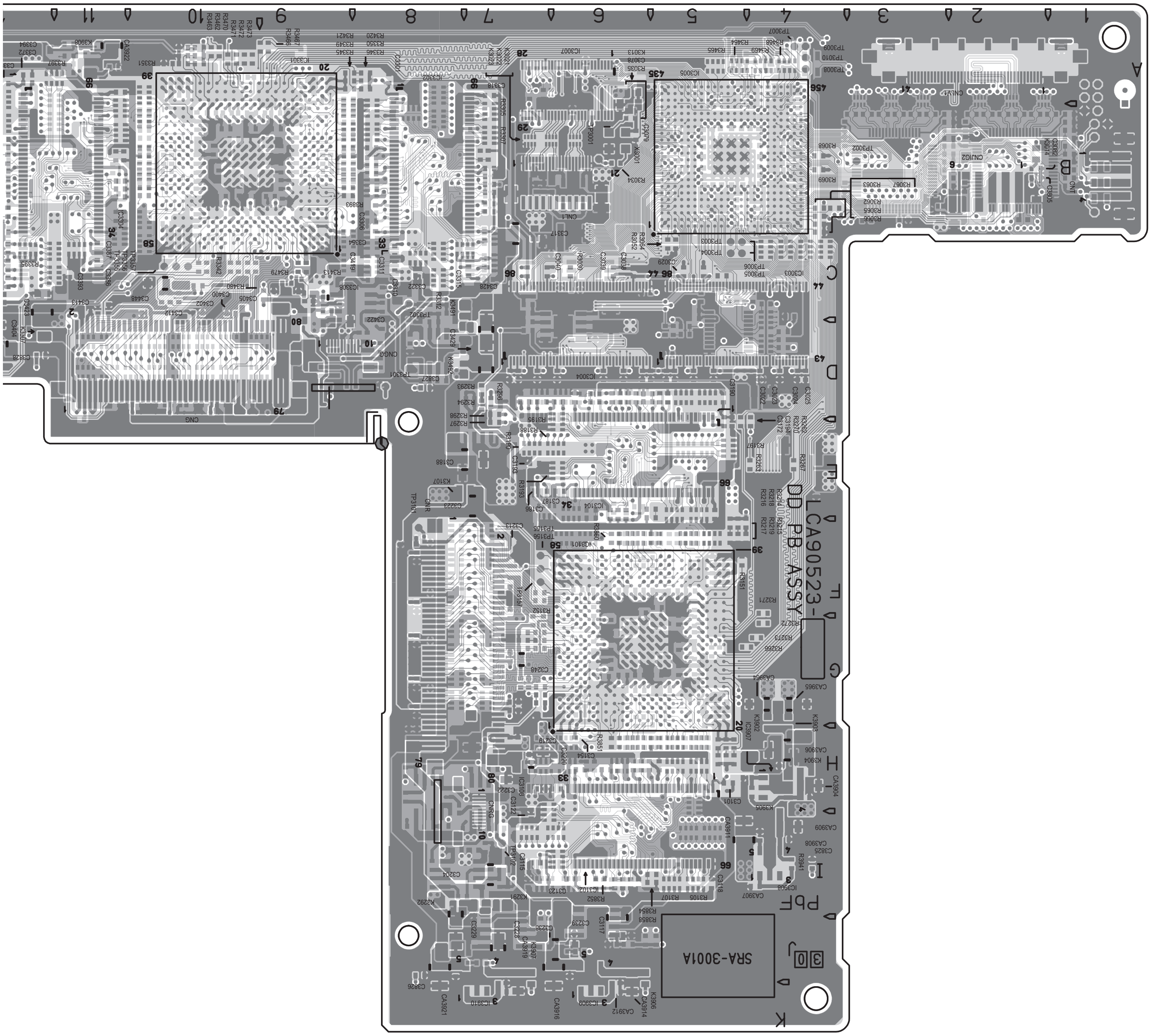



FRONT
DD PWB
LCB90523
-001C
SIDE.B
UL MARK

DRIVE PWB PATTERN [PARTS SIDE]

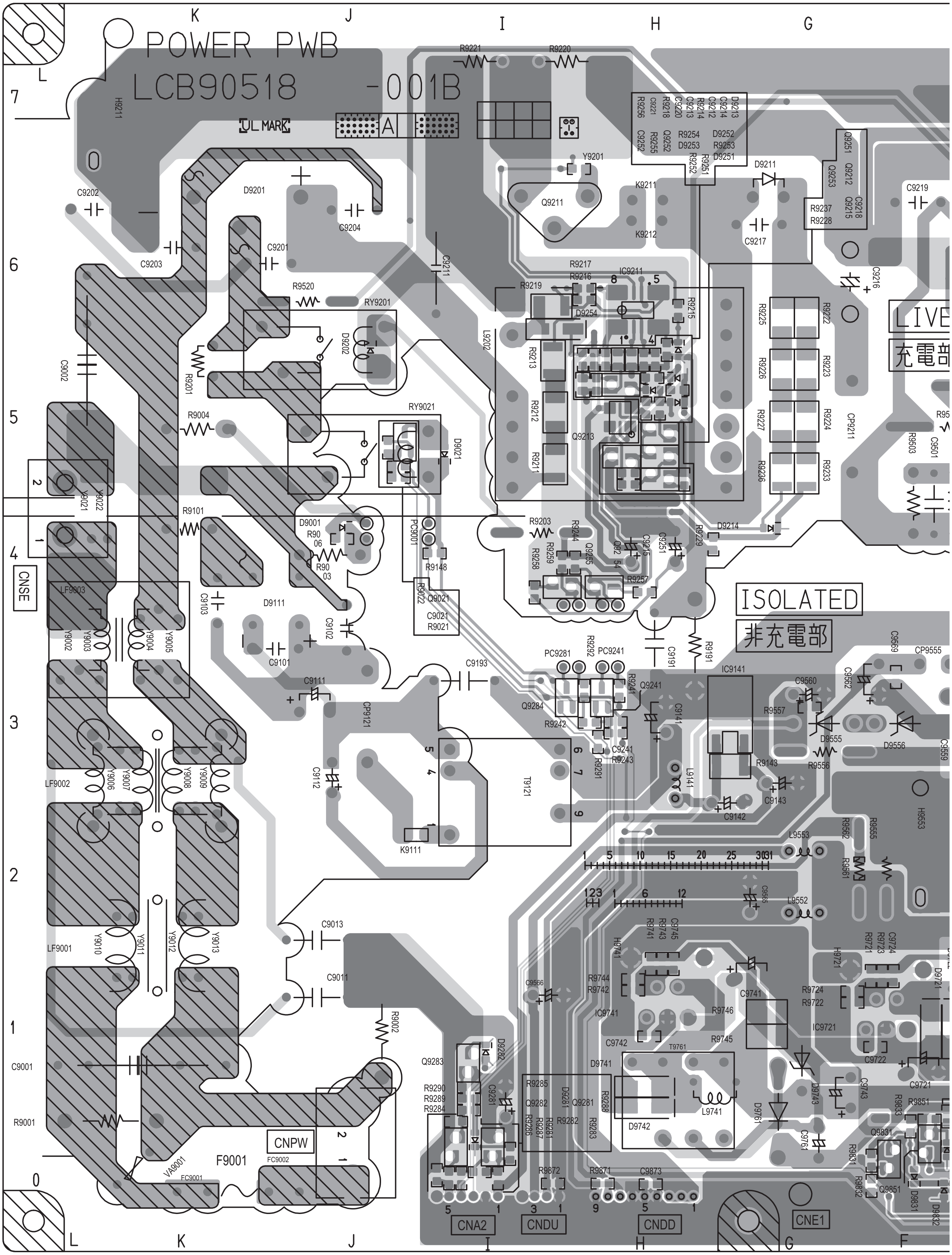
FRONT



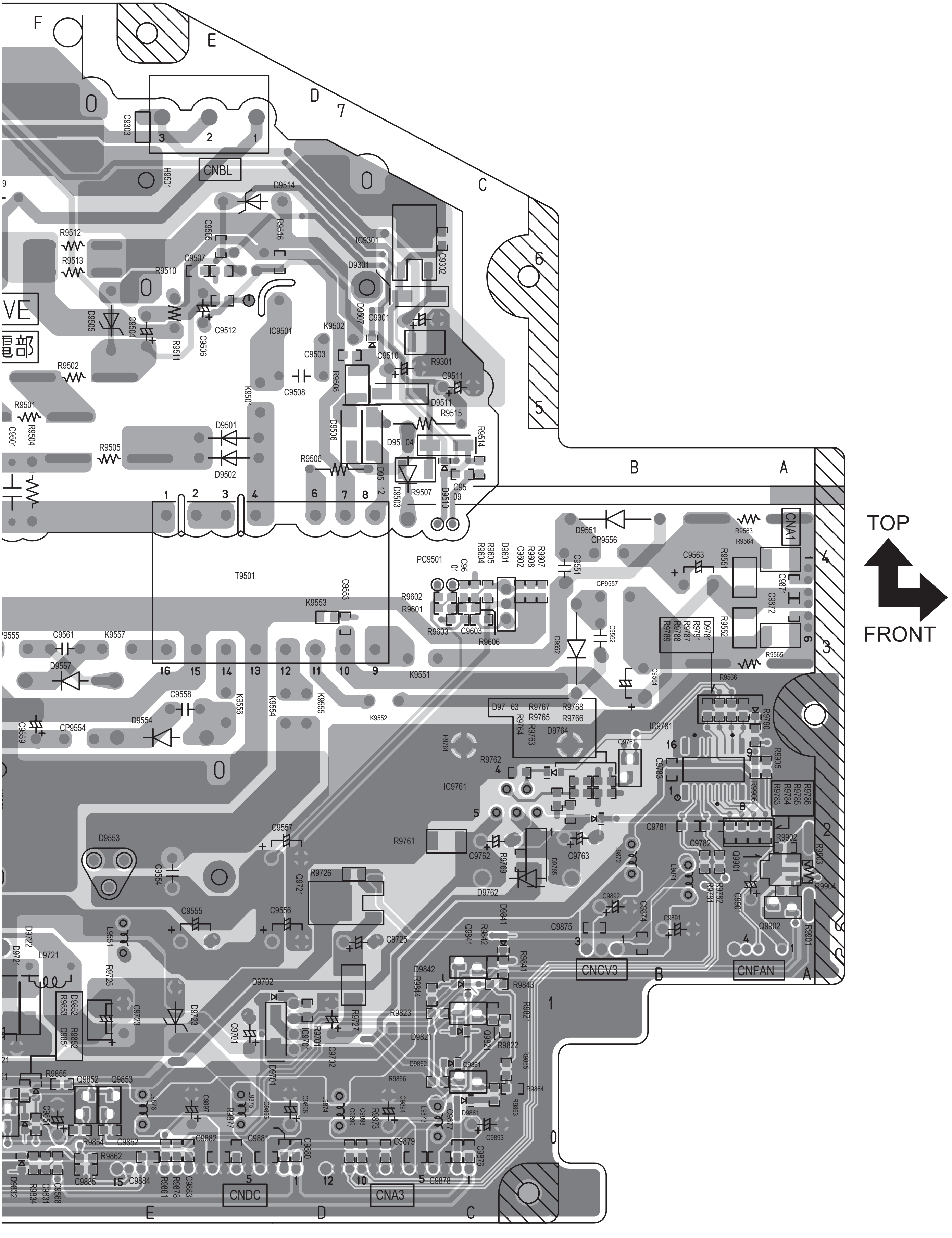


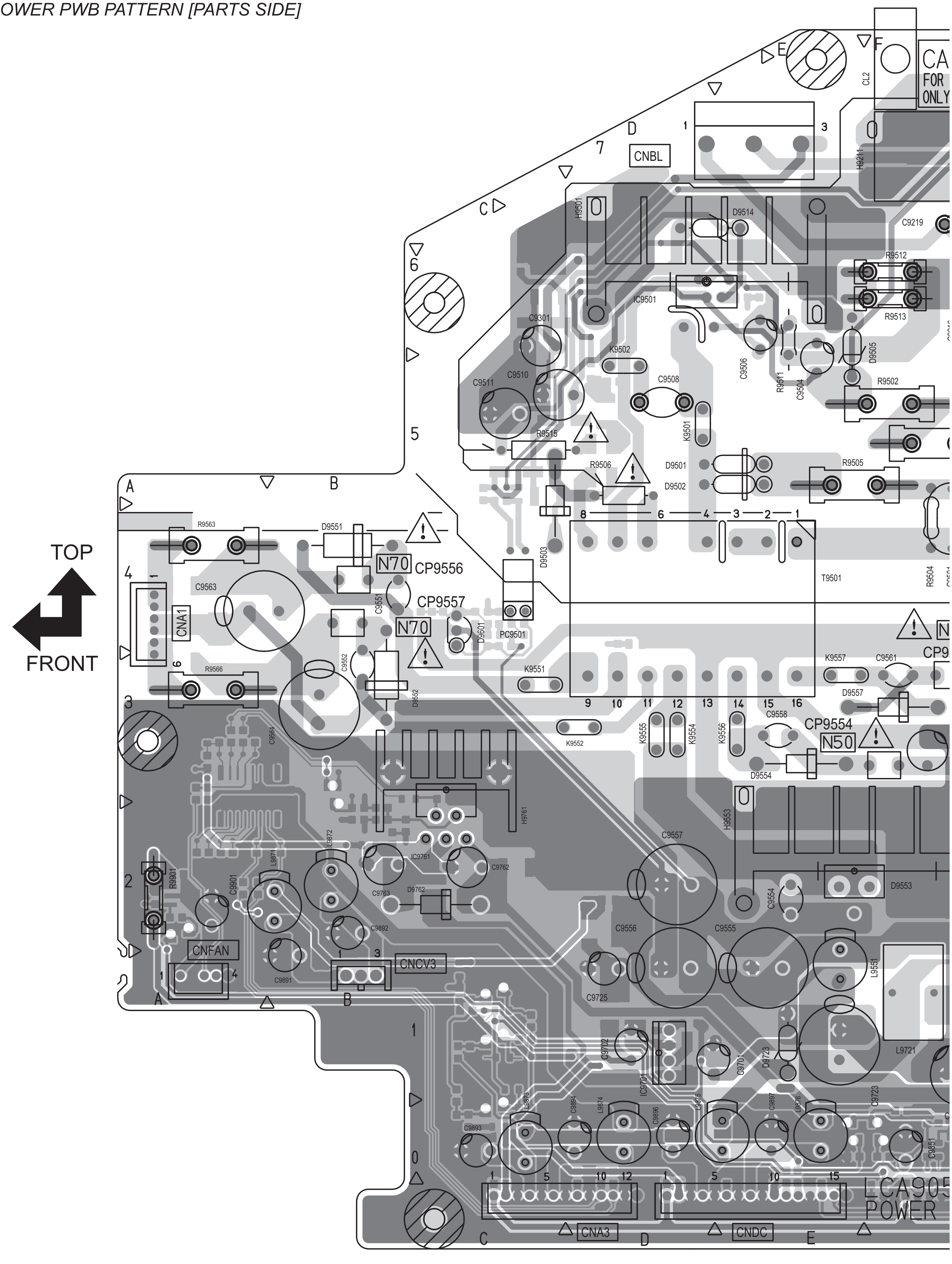
LCA90523-
DD PB ASSY
PbF
SRA-3001A
IC3001
IC3003
IC3005
IC3007
IC3101
IC3104
IC3301
IC3306
CN3001
CN3002
1
2
3
4
5
6
7
8
9
10
11
A
B
C
D
E
F
G
H
I
J
K

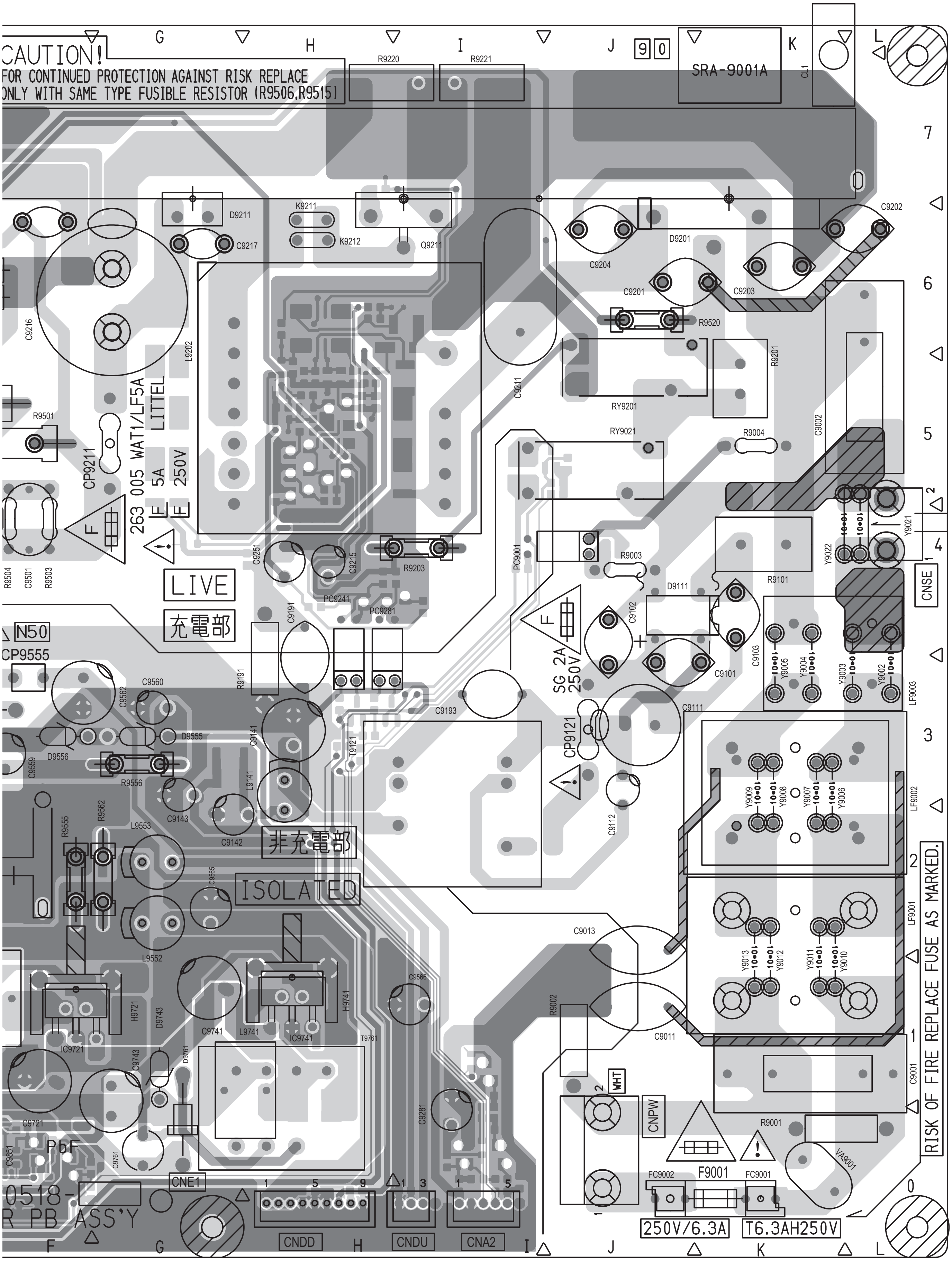
POWER PWB PATTERN [SOLDER SIDE]



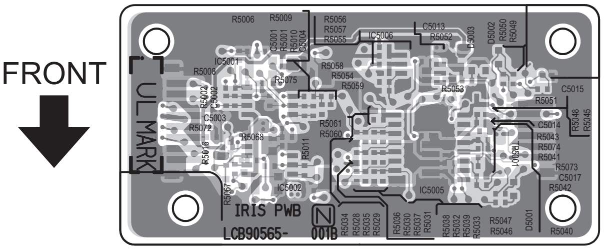
POWER PWB
LCB90518 -001B
UL MARK
A
L
K
J
I
H
G
F
7
6
5
4
3
2
1
0
H9211
R9221
R9220
Y9201
Q9211
K9211
K9212
D9211
C9219
C9217
C9202
C9203
D9201
C9204
C9201
C9211
R9520
RY9201
D9202
R9201
C9002
R9004
RY9021
D9021
R9217
R9216
IC9211
R9219
R9215
D9254
L9202
R9213
R9212
R9211
Q9213
R9225
R9226
R9227
R9236
R9222
R9223
R9224
R9233
CP9211
C9216
LIVE
充電部
R9503
C9501
Y9021
Y9022
CNSE
LF9003
R9101
D9001
PC9001
R9148
R9022
Q9021
C9021
R9021
R9203
R9244
R9259
R9258
Q9255
C9215
C9251
R9229
D9214
R9257
ISOLATED
非充電部
C9103
D9111
C9102
C9101
Y9002
Y9003
Y9004
Y9005
C9193
PC9281
R9292
PC9241
C9191
R9191
Q9241
R9241
IC9141
C9141
C9569
CP9555
C9562
C9560
R9557
D9555
D9556
C9559
R9556
C9111
CP9121
Q9284
R9242
C9241
R9243
R9291
T9121
L9141
R9143
C9143
C9142
C9112
K9111
LF9002
Y9006
Y9007
Y9008
Y9009
H9553
R9562
R9555
R9561
L9553
L9552
C9565
LF9001
Y9010
Y9011
Y9012
Y9013
C9013
C9011
R9002
R9741
R9743
C9745
H9741
R9744
R9742
C9566
IC9741
R9746
C9741
R9745
C9742
T9761
D9741
L9741
D9742
D9761
D9743
C9743
C9761
R9721
R9723
C9724
H9721
R9724
R9722
IC9721
C9722
C9721
R9833
R9851
Q9831
R9831
R9832
Q9851
D9831
D9832
D9721
Q9283
D9282
C9281
R9290
R9289
R9284
R9285
Q9282
D9281
Q9281
R9288
R9286
R9287
R9281
R9282
R9283
R9872
R9871
C9873
C9001
R9001
VA9001
FC9001
F9001
FC9002
CNPW
CNA2
CNDU
CNDD
CNE1

F
E
D
7
C
6
5
B
A
4
3
2
1
0
CNBL
C9303
H9501
D9514
R9516
C9505
IC9301
C9302
D9301
R9512
R9513
C9507
R9510
D9505
C9504
R9511
C9506
C9512
IC9501
K9502
D9507
C9301
C9503
C9510
R9301
C9511
R9502
R9508
C9508
K9501
D9511
R9515
R9501
R9504
C9501
D9501
D9502
D9506
R9514
R9505
R9506
R9507
D9503
D9510
T9501
PC9501
D9551
CP9556
R9563
R9564
CNA1
C9563
R9551
C9871
C9872
R9552
R9565
C9551
CP9557
C9552
D9552
C9564
R9602
R9601
R9603
C9603
R9606
K9553
C9553
C9561
K9557
D9557
K9551
C9558
K9556
K9554
K9555
K9552
C9559
CP9554
D9554
R9566
R9790
IC9781
Q9761
R9762
IC9761
C9783
R9905
R9906
R9786
R9785
R9784
R9783
C9781
C9782
R9902
R9903
R9904
Q9901
C9901
Q9902
R9901
D9553
C9554
C9557
R9761
C9762
R9769
D9765
C9763
L9872
L9871
R9782
R9781
D9762
R9726
Q9721
C9555
C9556
C9725
C9892
C9874
C9891
C9875
Q9841
R9842
D9841
R9841
CNCV3
CNFAN
D9722
D9721
L9721
L9551
R9725
D9852
R9853
D9851
R9852
C9723
D9723
D9702
C9701
IC9701
R9701
C9702
R9727
R9823
D9842
R9844
R9843
R9821
D9821
Q9821
R9822
D9862
R9866
Q9861
R9865
R9864
R9863
D9861
C9893
R9855
Q9852
Q9853
L9876
C9897
R9877
L9875
C9895
C9896
L9874
C9899
C9898
R9873
C9894
L9873
C9877
C9876
R9854
C9852
C9882
C9881
C9880
C9879
R9862
C9885
C9884
R9861
R9878
C9883
CNDC
CNA3
C9878
D9832
R9834
C9831
C9569
TOP
FRONT

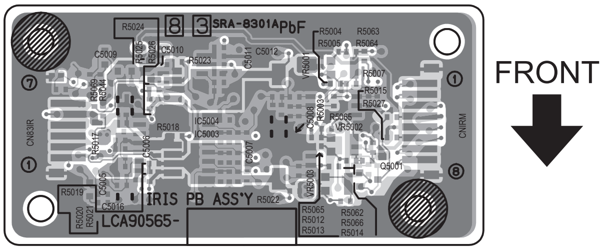

F
E
CA
FOR
ONLY
CL2
D
1
3
7
CNBL
H9211
C
H9501
D9514
C9219
R9512
R9513
6
IC9501
C9301
K9502
C9506
D9505
C9511
C9510
C9508
R9511
C9504
R9502
5
R9515
K9501
R9506
D9501
D9502
R9505
A
B
8
6
4
3
2
1
R9563
D9551
TOP
4
1
C9563
N70
CP9556
CNA1
C9551
CP9557
D9503
T9501
R9504
N70
D9601
PC9501
6
R9566
C9552
K9551
K9557
C9561
CP9
FRONT
3
D9552
9
10
11
12
13
14
15
16
D9557
C9558
C9564
K9552
K9555
K9554
K9556
CP9554
N50
D9554
H9553
H9761
C9557
L9872
L9871
IC9761
C9762
2
R9901
C9901
C9763
D9762
C9554
D9553
C9892
C9556
C9555
CNFAN
1
3
CNCV3
1
4
C9891
A
B
C9725
L9551
1
C9702
IC9701
C9701
D9723
L9721
L9873
C9894
L9874
C9896
L9875
C9897
L9876
C9723
C9893
C9851
0
1
5
10
12
1
5
10
15
LCA905
POWER
CNA3
CNDC
C
D
E


CAUTION!
FOR CONTINUED PROTECTION AGAINST RISK REPLACE
ONLY WITH SAME TYPE FUSIBLE RESISTOR (R9506,R9515)
G
H
I
J
K
L
9 0
SRA-9001A
CL1
R9220
R9221
7
6
5
4
3
2
1
0
D9211
K9211
K9212
Q9211
C9217
C9216
L9202
D9201
C9202
C9204
C9201
C9203
R9520
R9201
RY9201
RY9021
R9004
C9211
C9002
R9501
CP9211
263 005 WAT1/LF5A
LITTEL
F 5A
F 250V
F
R9504
C9501
R9503
C9251
C9215
R9203
PC9241
PC9281
PC9001
R9003
D9111
R9101
Y9021
Y9022
CNSE
LIVE
充電部
N50
CP9555
C9191
R9191
C9102
C9103
C9101
Y9005
Y9004
Y9003
Y9002
LF9003
SG 2A
250V
C9193
C9111
C9560
C9562
D9555
D9556
C9559
R9556
C9141
T9121
CP9121
L9141
C9143
C9142
C9112
R9555
R9562
L9553
非充電部
ISOLATED
C9565
Y9009
Y9008
Y9007
Y9006
LF9002
L9552
C9013
Y9013
Y9012
Y9011
Y9010
LF9001
RISK OF FIRE REPLACE FUSE AS MARKED.
H9721
D9743
C9741
L9741
IC9741
H9741
C9566
T9761
IC9721
C9743
D9761
R9002
C9011
C9001
C9721
C9281
WHT
CNPW
R9001
VA9001
C9851
PbF
C9761
CNE1
0518-
R PB ASS'Y
1 5 9
1 3
1 5
2
1
FC9002
F9001
FC9001
CNDD
CNDU
CNA2
250V/6.3A
T6.3AH250V
F
G
H
I
J
K
L

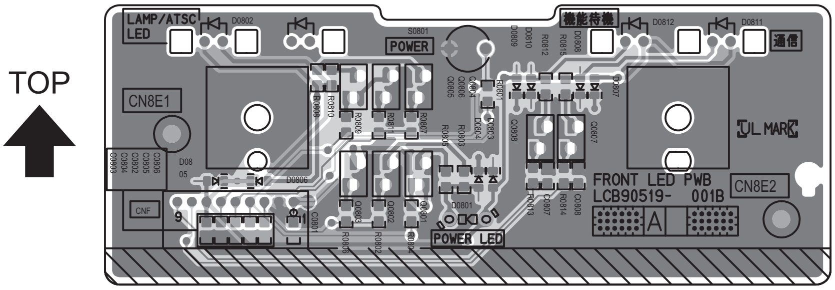
IRIS PWB PATTERN [SOLDER SIDE]


FRONT
UL MARK
IRIS PWB
LCB90565-
001B
IC5001
IC5002
IC5005
IC5006
C5001
C5003
C5013
C5014
C5015
C5017
D5001
D5002

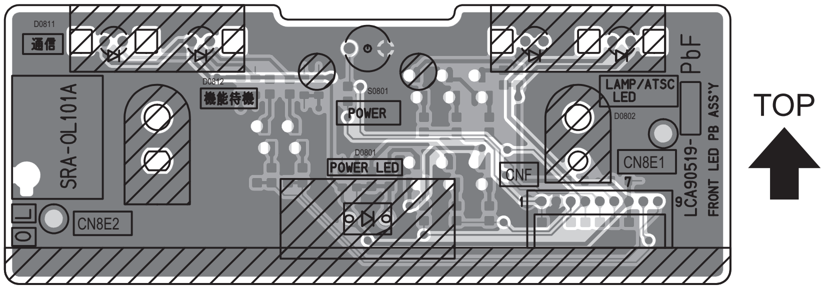
IRIS PWB PATTERN [PARTS SIDE]


FRONT
8 3 SRA-8301A PbF
IRIS PB ASS'Y
LCA90565-
CN83IR
CNIRM
IC5003
IC5004
Q5001
VR5001
VR5002
7
1
1
8

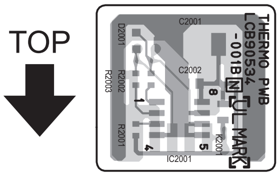
FRONT LED PWB PATTERN [SOLDER SIDE]


TOP
LAMP/ATSC LED
D0802
S0801
POWER
機能待機
D0812
D0811
通信
CN8E1
UL MARK
FRONT LED PWB
LCB90519- 001B
CN8E2
A
CNF
9
D0801
POWER LED

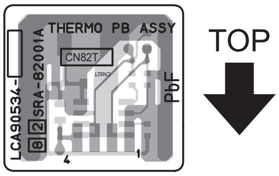
FRONT LED PWB PATTERN [PARTS SIDE]


TOP
D0811
通信
D0812
機能待機
S0801
POWER
SRA-0L101A
D0801
POWER LED
CNF
LAMP/ATSC LED
D0802
CN8E1
CN8E2
7
9
LCA90519-
FRONT LED PB ASS'Y
PbF
0
L

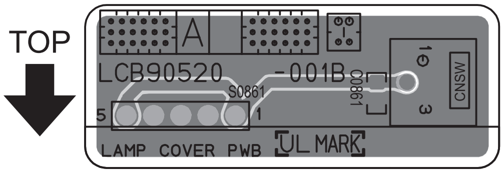
THERMO PWB PATTERN [SOLDER SIDE]


TOP
THERMO PWB
LCB90534
-001B
N
UL MARK
C2001
C2002
D2001
R2002
R2003
R2001
R2004
IC2001
1
4
5
8

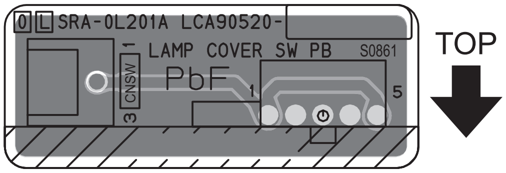
THERMO PWB PATTERN [PARTS SIDE]


TOP
THERMO PB ASSY
CN82T
SRA-82001A
LCA90534-
8 2
PbF
4
1

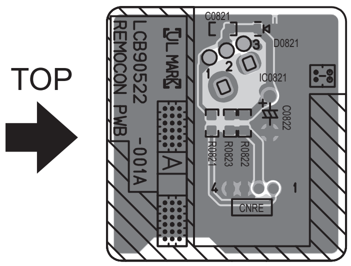
LAMP COVER SW PWB PATTERN [SOLDER SIDE]


TOP
A
LCB90520 -001B
S0861
S0861
CNSW
5
1
1
3
LAMP COVER PWB
UL MARK

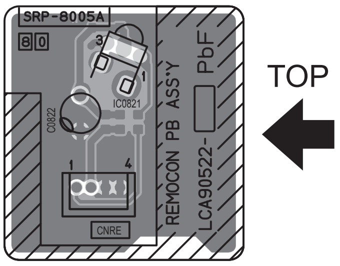
LAMP COVER SW PWB PATTERN [PARTS SIDE]


TOP
0 L SRA-0L201A LCA90520-
LAMP COVER SW PB
S0861
CNSW
PbF
1
3
1
5

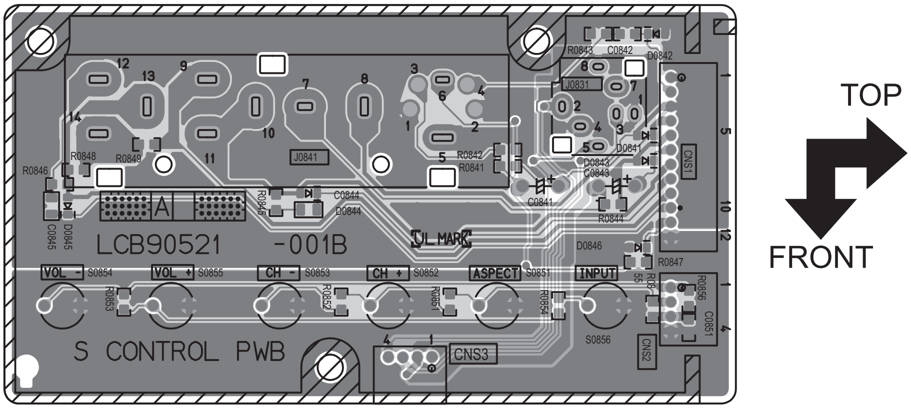
REMOCON PWB PATTERN
[SOLDER SIDE]


TOP
LCB90522 -001A
REMOCON PWB
UL MARK
A
C0821
D0821
IC0821
C0822
R0822
R0823
R0821
CNRE

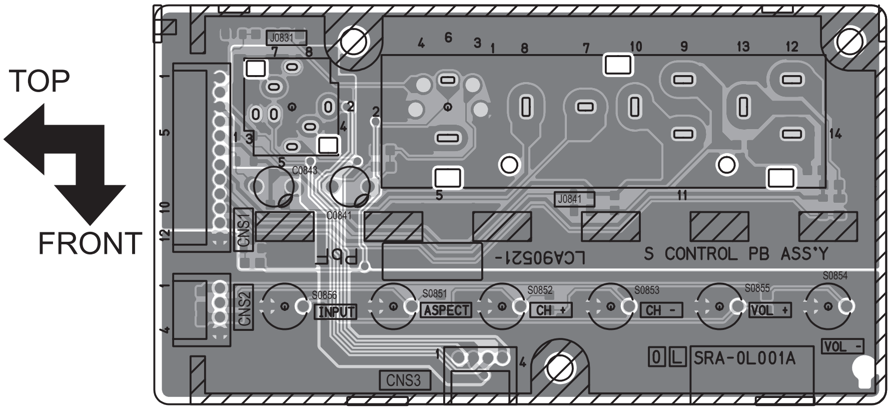
REMOCON PWB PATTERN
[PARTS SIDE]


TOP
SRP-8005A
8 0
IC0821
C0822
CNRE
REMOCON PB ASS'Y
LCA90522-
PbF

S CONTROL PWB PATTERN [SOLDER SIDE]

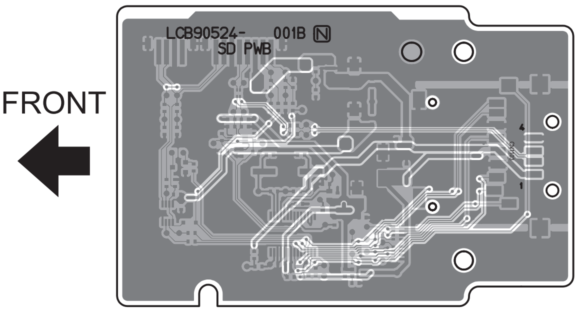

TOP
FRONT
LCB90521 -001B
UL MARK
A
S CONTROL PWB
VOL -
VOL +
CH -
CH +
ASPECT
INPUT
S0854
S0855
S0853
S0852
S0851
S0856
R0843
C0842
D0842
J0831
R0848
R0846
R0849
J0841
R0842
R0841
D0841
D0843
C0843
C0844
D0844
C0841
R0844
C0845
D0845
D0846
R0847
R0853
R0852
R0851
R0856
C0851
CNS1
CNS2
CNS3

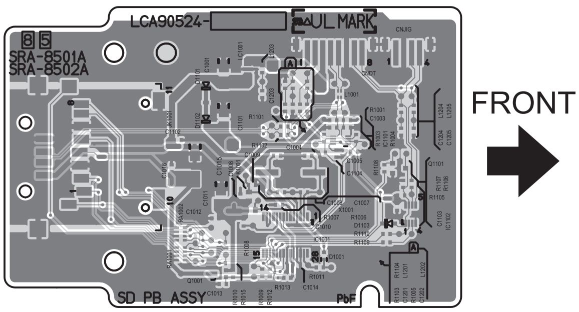
S CONTROL PWB PATTERN [PARTS SIDE]


TOP
FRONT
J0831
C0843
C0841
J0841
LCA90521-
PbF
S CONTROL PB ASS'Y
S0856
INPUT
S0851
ASPECT
S0852
CH +
S0853
CH -
S0855
VOL +
S0854
VOL -
CNS1
CNS2
CNS3
0 L
SRA-0L001A

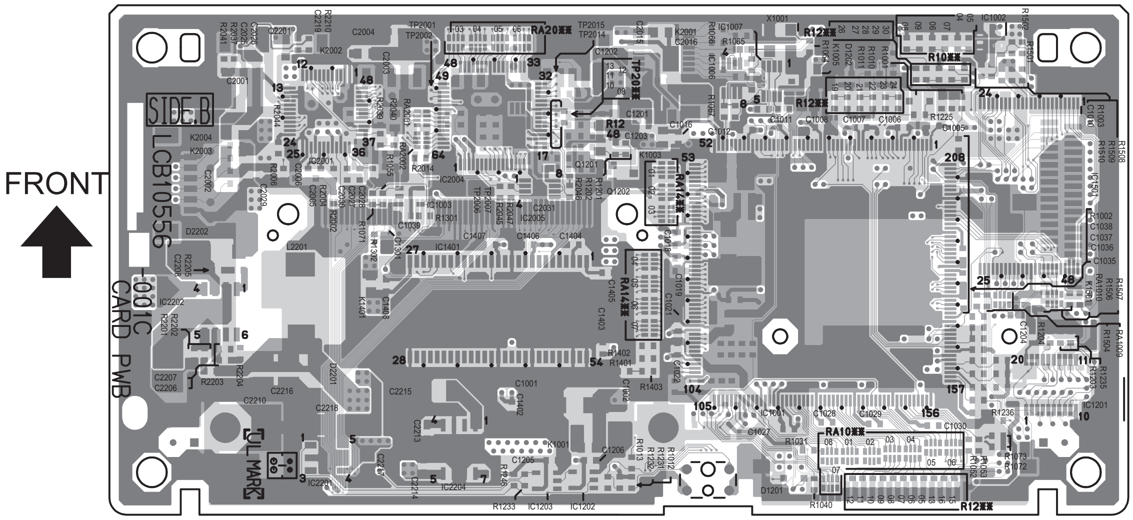
SD CARD PWB PATTERN
[SOLDER SIDE]

SD CARD PWB PATTERN
[PARTS SIDE]

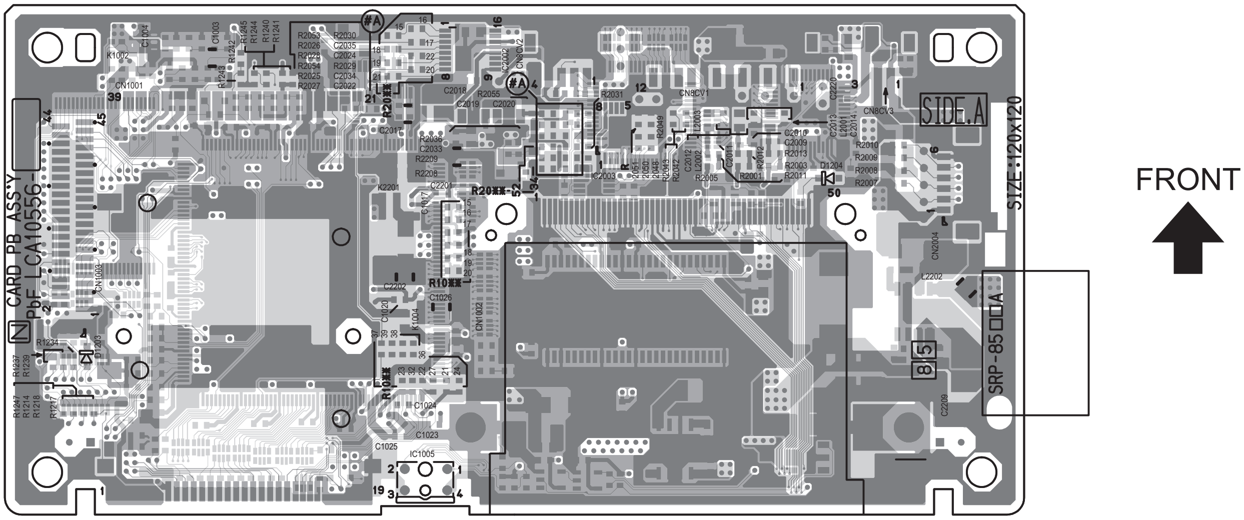

FRONT
LCB90524- 001B N
SD PWB


FRONT
LCA90524-
UL MARK
8 5
SRA-8501A
SRA-8502A
SD PB ASSY
PbF

CARD VIEWER PWB PATTERN [HD-70FH96]
[SOLDER SIDE]


FRONT
SIDE.B
LCB10556
-010C
CARD PWB
UL MARK
RA20※※
TP20※※
RA14※※
R12※※
R10※※
RA10※※

CARD VIEWER PWB PATTERN [HD-70FH96]
[PARTS SIDE]


FRONT
SIDE.A
SIZE:120x120
CARD PB ASS'Y
PbF LCA10556-
SRP-85□□A
R20※※
R10※※
CN1001
IC1005

VOLTAGE CHARTS

<TUNER PWB>

[P.2-9 - P.2-10]

MODE PIN NO.	DC (V)
Q004	
E	8.7
C	0
B	2.1
Q005	
E	0
C	9
B	8.7
TU001	
1	1.6
2	10.7
3	4.8
4	5
5	2
6	NC
7	4.8
8	4.8
9	30.6
10	NC
11	NC
12	NC
13	4.8
14	1.6
15	0
16	2.1
17	1.6
18	2.4
19	2.2
20	0
21	NC

[P.2-11 - P.2-12]

MODE PIN NO.	DC (V)
IC061	
1	4
2	4
3	4
4	4
5	4.9
6	4.9
7	0
8	3.9
9	3.9
10	4
11	3.8
12	3.2
13	4
14	1.2
15	1.3
16	0
17	0
18	3.2
19	8.8
20	NC
21	4
22	4
23	4
24	3.8
25	4
26	3.9
27	4
28	1.9
29	4
30	4
31	1.8
32	4
33	4
34	4
35	4
36	4
37	4
38	4
39	3.9
40	3.9
41	1.1
42	4
43	4
44	4
45	4
46	4
47	4
48	4

<ANALOG PWB>

[P.2-13 - P.2-14]

MODE PIN NO.	DC (V)
IC101	
1	4.5
2	4.5
3	0
4	4.5
5	4.5
6	0
7	4.5
8	4.5
9	0
10	4.5
11	4.5
12	0
13	4.5
14	4.5
15	4.5
16	4.5
17	4.5
18	9
19	4.5
20	4.5
21	0
22	4.5
23	4.5
24	0
25	4.5
26	4.5
27	0
28	4.5
29	4.5
30	9
31	0
32	4.5
33	4.5
34	4.5
35	4.5
36	4.5
37	1.4
38	1.9
39	1.4
40	1.9
41	0
42	2.1
43	1.6
44	5
45	1.9
46	0
47	2
48	5
49	1.9
50	1.6
51	0.1
52	5
53	4.9
54	4.9
55	2.5
56	4.9
57	2.5
58	2.1
59	2.1
60	2.5
61	5
62	2.5
63	0.2
64	2.1
65	0
66	2.5
67	4.9
68	2.5
69	0.2
70	2.1
71	4.9
72	2.5
73	4.9
74	2.5
75	0
76	0
77	2.1
78	1.4
79	2.8
80	5
81	2.3
82	0
83	2.8
84	0
85	2.5
86	4.6
87	2.5
88	2.2
89	2.1
90	0
91	2.5
92	2.8
93	2.5
94	0.2
95	2.1
96	4.5
97	2.5
98	4.8
99	2.5
100	2.5
IC102	
1	0
2	2.4
3	2.5
4	2.4
5	2.4
6	2.5
7	2.5
8	2.4
9	0
10	2.4
11	2.2
12	2.4
13	0
14	0.3
15	0.3
16	0
17	2.4
18	0
19	2.4
20	0
21	2.4
22	0
23	0
24	0.1
25	5
26	0
27	4
28	3.9
29	0
30	1.8
31	6.3
32	1.8
33	0
34	1.2
35	0
36	3.4
37	4.1
38	3.4
39	1.7
40	6.4
41	1.8
42	2.9
43	1.8
44	0
45	1.3
46	2.8
47	2.5
48	2.5
49	3.9
50	6.4
51	4.9
52	1.9
53	1.9
54	3
55	2.4
56	2.5
57	2.5
58	0
59	0
60	2.2
61	0
62	0
63	2.5
64	2.5
65	2.5
66	2.5
67	2.5
68	2.4
69	2.5
70	2.4
71	4.9
72	2.4
73	4.9
74	2.4
75	0.1
76	0.6
77	0.1
78	2.4
79	4.6
80	2.4
81	4.6
82	2.4
83	0.3
84	0.6
85	0.5
86	2.4
87	5
88	2.4
89	2.8
90	2.4
91	0
92	0.6
93	0.5
94	2.4
95	0
96	2.4
97	0
98	2.4
99	0
100	4.6
IC103	
1	2.1
2	2
3	9
4	2.2
5	0
6	9
IC104	
1	2.9
2	3
3	9
4	2.6
5	0
6	9
IC105	
1	2.1
2	0
3	9
4	2.2
5	0
6	9
IC106	
1	4.4
2	4.4
3	4.4
4	4.4
5	7.4
6	7.4
7	0
8	4.4
9	4.4
10	4.4
11	4.4
12	0
13	0
14	0
IC281	
1	NC
2	NC
3	4.5
4	NC
5	4.5
6	NC
7	0
8	9
9	0
10	4.5
11	4.5
12	9
13	3
14	3
15	NC
16	NC
17	NC
18	NC
IC282	
1	3
2	0
3	3
4	0
5	9
6	0
7	3
8	3
Q101	
E	0
C	0
B	7.4
Q102	
E	0
C	7.4
B	0
Q106	
S	0.1
D	0.1
G	0
Q107	
S	3.2
D	5
G	3.3
Q109	
E	2.6
C	0
B	1.9
Q110	
E	2.2
C	0
B	1.4
Q111	
E	2.2
C	0
B	1.4
Q112	
E	1.7
C	0
B	1
Q113	
E	0
C	5
B	2.9

[P.2-15 - P.2-16]

MODE PIN NO.	DC (V)
IC301	
1	4.4
2	4.5
3	4.4
4	4.4
5	4.4
6	0
7	0
8	0
9	8.9
10	9
11	4.4
12	4.4
13	4.4
14	4.4
15	4.5
16	9
IC381	
1	0
2	5
3	0.1
4	0
5	0.1
6	0.1
7	0
8	0
9	0.2
10	0.2
11	0.2
12	0.9
13	0.2
14	0.9
15	5
16	4.9
Q301	
E	0
C	9
B	0
Q302	
E	0
C	9
B	0

[P.2-17 - P.2-18]

MODE PIN NO.	DC (V)
IC601	
1	6
2	6.1
3	6.1
4	6.1
5	6.1
6	6.1
7	0.7
8	6.1
9	6.1
10	6.1
11	1.1
12	0
13	1
14	6.1
15	0
16	5.2
17	0.1
18	5
19	0
20	12.1
21	5.9
22	0
23	0
24	4.9
25	3.9
26	4.7
27	4.7
28	6.1
29	6.1
30	6.1
31	6.1
32	6.1
33	6.1
34	0
35	0
36	6.1
37	6.1
38	0
39	6.1
40	6.1
41	6.1
42	6.1
43	6.1
44	6
45	6
46	
47	6.1
48	6.1
IC602	
1	14.4
2	2.8
3	12.1
4	2.6
5	0
IC603	
1	5.9
2	4.7
3	4.8
4	0
5	6
6	6.1
7	8
8	11.7
IC604	
1	6.1
2	6.1
3	6.1
4	0
5	6.1
6	6.1
7	6.2
8	12.1
IC605	
1	-15.4
2	-15.4
3	-15.4
4	-15.4
5	14.4
6	10.3
7	1.6
8	-15.4
9	-15.4
10	-15.4
11	1.5
12	10.2
13	14.4
14	-14.4
15	-13.7
16	-15.1
17	-15.3
IC606	
1	0
2	5
3	0.1
4	5
5	4.9
6	0
7	0
8	0
9	4.8
10	4.9
11	0
12	5
13	5
14	0
15	0
16	5
IC607	
1	-15.3
2	0
3	0
4	-15.4
5	0
6	0.1
7	-15.3
8	13.6
IC751	
1	2
2	0
3	2
4	0
5	0
6	2
7	2
8	5
Q603	
E	0
C	0
B	0.6
Q604	
E	0
C	12.1
B	8
Q605	
E	0
C	0
B	4.4
Q606	
E	0
C	14.3
B	0
Q607	
E	-14.4
C	-14.3
B	-14.3
Q614	
E	11.5
C	0
B	11.9
Q751	
E	2.4
C	2.3
B	1.8
Q752	
E	0
C	0
B	2.3

[P.2-19 - P.2-20]

MODE PIN NO.	DC (V)
IC501	
1	4.5
2	4.5
3	4.4
4	0
5	4.4
6	4.5
7	4.5
8	9
IC502	
1	0
2	1.4
3	0
4	0
5	3.3
6	3.3
7	0
8	0
9	0
10	0
11	3.3
12	0
13	3.3
14	0
15	1.2
16	1.2
IC552	
1	5
2	0
3	1.2
4	1.5
5	3.3
Q501	
E	3.8
C	9
B	4.4
Q502	
E	3.7
C	9
B	4.4
Q503	
E	0
C	3.2
B	0
Q553	
E	0
C	3.3
B	0

[P.2-21 - P.2-22]

MODE PIN NO.	DC (V)
IC902	
1	3.3
2	0
3	4.9
Q901	
E	9
C	9
B	9.7
Q902	
E	5
C	5
B	5.7

[P.2-23 - P.2-24]

MODE PIN NO.	DC (V)
Q431	
E	0
C	0
B	2.4
Q432	
E	0
C	0
B	2.4
Q433	
E	2.4
C	2.5
B	0
Q451	
E	0
C	0
B	2.4
Q452	
E	0
C	0
B	2.4
Q453	
E	2.4
C	2.5
B	0

<DIGITAL PWB>

[P.2-25 - P.2-26]

MODE PIN NO.	DC (V)
IC6250	
1	0
2	5.4
3	1.6
4	0
5	0
6	0
7	0
8	0
9	5.3
10	0.7
11	0
12	3.5
13	0
14	0
15	0
16	5.3
17	0
18	0
19	0
20	2.2
21	0
22	0
23	5.3
24	5.3
IC6251	
1	1.6
2	0
3	0
4	5
5	3.3
Q6201	
E	0.5
C	0
B	0.5
Q6202	
E	3.3
C	0
B	2.6
Q6203	
E	0.5
C	0
B	0.5
Q6204	
E	2.9
C	0
B	2.2
Q6205	
E	2.9
C	0
B	2.2
Q6206	
E	3.3
C	0
B	2.6
Q6211	
E	0.8
C	5
B	1.5
Q6212	
E	0
C	5
B	0.7
Q6213	
E	0
C	5
B	0.7
Q6214	
E	1.5
C	5
B	2.2
Q6250	
E	1.5
C	5
B	2
Q6251	
E	2.2
C	5
B	2

[P.2-27 - P.2-28]

MODE PIN NO.	DC (V)
IC6002	
1	1.5
2	1.5
3	0
4	2.4
5	3.2
IC6724	
1	0
2	3.3
3	0
4	3.3

[P.2-29 - P.2-30]

MODE PIN NO.	DC (V)
IC6101	
1	1.2
2	2.4
3	0
4	1.2
5	0
6	1.2
7	1.2
8	2.4
9	1.2
10	1.2
11	0
12	1.2
13	1.2
14	0
15	2.4
16	0
17	1.2
18	1.2
19	0
20	0
21	1.2
22	1.2
23	0.6
24	0.6
25	1.7
26	1.7
27	1.8
28	0
29	0.7
30	0.7
31	0.6
32	0.6
33	0.7
34	0.7
35	2.4
36	0
37	0
38	0
39	0
40	0
41	0
42	0
43	0
44	0
45	0.6
46	0
47	0.7
48	0.7
49	0.7
50	0.7
51	0.6
52	0
53	1.8
54	1.3
55	1.3
56	0.6
57	0.6
58	1.2
59	0
60	1.2
61	0
62	0
63	1.2
64	1.2
65	2.5
66	0
67	2.4
68	1.2
69	1.2
70	0
71	1.2
72	1.2
73	2.4
74	1.2
75	1.2
76	0
77	1.2
78	1.2
79	0
80	1.2
81	1.2
82	0
83	1.2
84	1.2
85	0
86	2.4
87	0
88	0
89	0
90	0
91	0
92	0
93	0
94	1.2
95	2.4
96	2.4
97	1.2
98	1.2
99	0
100	1.2
IC6102	
1	0
2	2.6
3	1.3
4	1.3
5	2.6
6	2.6
7	2.6
8	2.6

[P.2-31 - P.2-32]

MODE PIN NO.	DC (V)
IC6501	
1	0
2	0
3	3.3
4	0
5	0
6	0
7	0
8	0
9	2.7
10	0
11	0
12	0
13	3.3
14	0
15	2.9
16	0
17	0
18	0
19	0
20	3.3
21	0
22	0
23	0
24	0
25	0
26	0
27	0
28	0
29	0
30	3.3
31	0
32	0
33	0
34	0
35	3.3
36	0
37	0
38	1.3
39	1.3
40	1.3
41	1.3
42	0
43	3.3
44	1.3
45	1.3
46	1.3
47	1.3
48	0
49	3.3
50	1.3
51	1.3
52	1.3
53	1.3
54	0
55	3.3
56	1.3
57	1.3
58	1.3
59	1.3
60	0
61	3.3
62	1.3
63	1.3
64	1.3
65	1.3
66	0
67	3.3
68	1.3
69	1.3
70	1.3
71	1.3
72	0
73	0
74	3.3
75	0
76	0
77	0
78	0.8
79	0.8
80	0.8
81	0.6
82	3.3
83	0
84	0.6
85	0.8
86	0.8
87	1.3
88	0
89	0
90	0.8
91	0.8
92	0.8
93	3.3
94	0
95	0.7
96	0.9
97	0.8
98	0.6
99	0
100	0
101	0.8
102	0.8
103	3.3
104	3.3
105	0
106	0.8
107	0.8
108	0.6
109	0
110	1.1
111	1
112	0.9
113	3.3
114	0
115	0
116	0
117	0
118	0
119	0
120	0
121	0
122	0
123	0
124	0
125	3.3
126	0
127	0
128	0
129	0
130	0
131	0
132	0
133	0
134	0
135	0
136	0
137	3
138	
139	0
140	0
141	0
142	0
143	0
144	0

[P.2-35 - P.2-36]

MODE PIN NO.	DC (V)
IC7601	
1	0
2	0
3	0
4	0
5	0
6	1
7	2.8
8	0
9	0
10	0
11	0
12	0
13	1.9
14	0
15	1.4
16	3.2
17	1.8
18	1.1
19	3.2
20	3.2
21	0
22	0
23	0
24	0
25	0
26	0
27	0
28	0
29	4.9
30	3.2
31	0
32	0
33	0
34	0
35	0
36	3.2
37	0
38	0
39	0
40	0
41	3.2
42	0
43	0
44	0
45	0
46	0
47	3.2
48	0
49	3.2
50	0
51	0
52	0
53	0
54	0
55	0
56	0
57	0
58	0
59	0
60	0
61	0
62	3.9
63	0
64	3.2
65	0
66	0
67	0
68	0
69	0
70	0
71	0
72	0
73	0
74	0
75	0
76	0
77	0
78	0
79	0
80	0
81	0
82	3.2
83	0
84	3.2
85	0
86	3.2
87	3.2
88	3.2
89	0
90	0
91	0
92	0
93	3.2
94	3.2
95	0
96	0.2
97	0
98	0
99	4.9
100	0
IC7602	
1	0
2	0
3	0
4	0
5	3.2
6	3.2
7	0
8	3.2
IC7603	
1	3.3
2	0
3	0
4	5
5	5
IC7604	
1	0
2	0
3	0
4	3.2
5	3.2
IC7605	
1	5
2	0
3	0
4	0
5	0
6	5
IC7606	
1	5
2	0
3	0
4	0
5	0
6	5
IC7607	
1	0
2	3.3
3	3.3
4	0
5	3.3
6	0
7	0
8	3.2
9	3.2
10	3.3
11	3.2
12	3.3
13	3.2
14	0
15	3.3
16	3.3

[P.2-39 - P.2-40]

MODE PIN NO.	DC (V)
IC7201	
1	0.1
2	0.2
3	0.2
4	0.2
5	0.2
6	0.1
7	0.3
8	0.2
9	0
10	0
11	3.2
12	3.3
13	0
14	0
15	0
16	0
17	0.1
18	0.2
19	0.2
20	0.2
21	0.2
22	0.2
23	0.2
24	0.2
25	0.2
26	3.3
27	0
28	3.3
29	0.2
30	0.2
31	0.2
32	0.2
33	0.2
34	0.2
35	0.2
36	0.2
37	3.2
38	0.1
39	0.2
40	0.2
41	0.1
42	0.2
43	0.2
44	0.2
45	0.1
46	0
47	3.3
48	0.2
IC7203	
1	3.2
2	0
3	0.3
4	0
5	0.4
6	0
7	3.3
8	0.2
9	0.4
10	0
11	0.3
12	0
13	3.2
14	2.7
15	3.2
16	3
17	3.2
18	2.6
19	0
20	0.1
21	0.3
22	0.3
23	0.3
24	0.3
25	3.2
26	0
27	0.3
28	0.3
29	0.3
30	0.3
31	0.4
32	0.4
33	0
34	3.2
35	3
36	2.7
37	0
38	3.2
39	0.4
40	0.4
41	0
42	0.4
43	0.2
44	3.3
45	0.3
46	0.2
47	0
48	0.3
49	0.2
50	0
IC7204	
1	0
2	3.3
3	0
4	3.3
IC7205	
1	2.9
2	3
3	0
4	3.3
5	3.3
6	0
7	0
8	0
9	3.3
10	3.3
11	3.3
12	3.2
13	0
14	3.2
Q7201	
E	0
C	2.9
B	0

[P.2-41 - P.2-42]

MODE PIN NO.	DC (V)
IC7033	
1	0
2	3.2
3	3.2
4	3.2
5	3.2
6	3.2
7	3.2
8	0
9	0
10	3.2
11	0
12	3.2
13	3.2
14	3.3
15	0
16	3.2
IC7036	
1	3.3
2	0
3	0
4	0
5	3.3
6	0
Q7030	
E	0
C	0
B	0
Q7032	
E	3.3
C	3.3
B	0
Q7033	
E	3.2
C	3.2
B	0
Q7034	
E	3.3
C	-0.1
B	3.2
Q7035	
E	3.2
C	-0.3
B	0

[P.2-43 - P.2-44]

MODE PIN NO.	DC (V)
IC6901	
1	3
2	0
3	3
4	5
IC9001	
1	8.6
2	13.3
3	3.5
4	0
5	0.9
6	1.3
7	3.4
8	0.9
IC9101	
1	3.3
2	0
3	2.5
IC9201	
1	6.5
2	13.3
3	1.3
4	0
5	0.9
6	1.3
7	3.3
8	0.9
IC9301	
1	1.2
2	0
3	0
4	0.3
5	3.2
6	0
7	0
8	3.2
Q9501	
E	0
C	0
B	3.2
Q9502	
E	0
C	0
B	0.6
Q9503	
E	0
C	0
B	0.6

[P.2-45 - P.2-46]

MODE PIN NO.	DC (V)
Q7501	
E	0
C	1
B	2.1

[P.2-49 - P.2-50]

MODE PIN NO.	DC (V)
IC6011	
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	0
14	0
15	0
16	0
17	3.3
18	0
19	0
20	0
21	0
22	0
23	0
24	0
25	0
26	0
27	0
28	0
29	1.3
30	0.8
31	0.8
32	0.8
33	0.8
34	0.8
35	0.8
36	2.5
37	1.7
38	0
39	1.1
40	0
41	1.1
42	1.1
43	1.1
44	0.7
45	0
46	0
47	0.6
48	0
49	0
50	0.7
51	0
52	0
53	0
54	0
55	3.3
56	3.3
IC6012	
1	3.5
2	0.1
3	0.1
4	0
5	0
6	3.5
7	3.5
8	3.5
IC6013	
1	3.4
2	0.1
3	1.7
4	0
5	3.5
6	0.1
7	3.5
8	3.5

[P.2-53 - P.2-54]

MODE PIN NO.	DC (V)
IC8801	
1	3.2
2	0
3	3.3
4	0
5	0
6	3.3
7	3.3
8	3.3
IC8802	
1	3.9
2	0
3	3.9
4	0
5	3.5
6	9
7	2.8
8	0
IC8803	
1	0
2	3.3
3	0
4	3.3
IC8831	
1	0
2	0
3	0
4	0.6
5	0.6
6	0.6
7	0
8	0
9	3.3
10	0
11	3.3
12	3.3
13	3.3
14	0
15	3.3
16	3.3
17	0
18	3.3
19	3.3
20	3.3
21	0
22	0.3
23	0.3
24	0
25	1.2
26	3.3
27	0
28	1.7
29	3.3
30	1.8
31	0
32	3.3
33	3.3
34	0
35	1.9
36	3.3
37	3.3
38	0
39	3.3
40	0
41	3.3
42	0.2
43	0
44	0
45	0
46	0
47	0
48	3.3
49	3.3
50	0
51	0
52	0
53	0
54	0
55	3.3
56	0
57	0
58	0
59	0
60	0
61	0
62	0
63	0
64	3.3
65	0
66	0
67	0
68	3.3
69	0
70	3.3
71	0
72	0
73	0
74	0
75	0
76	0
77	0
78	0
79	0.9
80	0
IC8832	
1	0.7
2	0
3	1.3
4	5
5	0.7
IC8833	
1	0
2	1.6
3	0
4	1.6
5	3.3
IC8834	
1	1.6
2	1.7
3	0
4	0
5	3.3
6	1.6
7	1.6
8	3.3
IC8841	
1	4.9
2	0
3	0
4	3.3
5	4.9
Q8831	
E	2.3
C	9
B	0
Q8832	
E	1
C	9
B	1.6
Q8833	
E	1.5
C	0
B	0.9
Q8834	
E	0.9
C	9
B	0.5
Q8836	
E	0.7
C	9
B	1.3

[P.2-56 - P.2-57]

MODE PIN NO.	DC (V)
IC6401	
1	0
2	0
3	0
4	2
5	0
6	3.6
7	2
8	0
9	2.1
10	0
11	3.6
12	0.2
13	0
14	0.7
15	0
16	2.1
17	0
18	3.6
19	2
20	3.6
21	0
22	2.2
23	0
24	2.2
25	0
26	0.7
27	0
28	2.2
29	3.6
30	0
31	2.1
32	0.1
33	2.7
34	0
35	3.6
36	0
37	0
38	3.6
39	2
40	0
41	0
42	2.1
43	0
44	3.6
45	0
46	3.6
47	2.2
48	0
49	0.2
50	3.6
51	0
52	2.1
53	0
54	3.6
55	0
56	0
57	0
58	0
59	0
60	0
61	0
62	0
63	0
64	2.1
65	3.7
66	0
67	3.7
68	1.1
69	0
70	0
71	0
72	0.2
73	0
74	0
75	0.8
76	0
77	0
78	0
79	0
80	0
81	0
82	0
83	0
84	0
85	0
86	0
87	0
88	0
89	3.7
90	0
91	0
92	0
93	0
94	0
95	0
96	0.1
97	0.8
98	0
99	3.7
100	0
101	0
102	0
103	0
104	0
105	0
106	0
107	0
108	0
109	2.1
110	0
111	3.7
112	0
113	0
114	0
115	0
116	0
117	0
118	0.2
119	1
120	0
121	2
122	2
123	0
124	3.7
125	0.1
126	3.7
127	3.6
128	3.6
IC6402	
1	1.6
2	0
3	0
4	5
5	3

<POWER PWB>
[P.2-75 - P.2-76]

MODE PIN NO.	DC (V)
IC9141	
1	5.1
2	0
3	6.2
IC9211	
1	2.6
2	0
3	1
4	0.1
5	2.4
6	0
7	11.2
8	15.5
IC9301	
1	15.4
2	0
3	17.8
Q9021	
E	0
C	0.1
B	0.7
Q9211	
S	0.1
D	91
G	10.7
Q9212	
E	0
C	7.4
B	0
Q9213	
1	0
2	0
3	15.4
4	15.5
5	0
6	0
Q9215	
E	0
C	0
B	0.6
Q9241	
E	0
C	0
B	2.5
Q9251	
E	0
C	7.4
B	0.5
Q9252	
E	0
C	0
B	11.2
Q9253	
E	0
C	7.4
B	0.1
Q9254	
E	0
C	7.3
B	0.1
Q9255	
E	0
C	7.3
B	0.1
Q9281	
E	1.3
C	0
B	2.3
Q9282	
E	0
C	3.7
B	0.2
Q9283	
E	0
C	3.8
B	0.2
Q9284	
E	0
C	0
B	2.5
PC9001	
1	44
2	44.2
3	0
4	2.5
PC9241	
1	1.1
2	0
3	0.1
4	0
PC9281	
1	1.2
2	0
3	0.1
4	0

[P.2-77 - P.2-78]

MODE PIN NO.	DC (V)
IC9501	
1	385
2	NC
3	0
4	15.7
5	0.1
6	1.1
7	0.8
PC9501	
1	11.1
2	10.1
3	13.6
4	1

[P.2-79 - P.2-80]

MODE PIN NO.	DC (V)
IC9701	
1	12.9
2	11.9
3	0
4	2.6
IC9721	
1	13.2
2	9.2
3	0
4	1.2
5	6.8
IC9741	
1	13.2
2	5.3
3	0
4	1.3
5	6.9
IC9761	
1	0
2	4.3
3	15.8
4	2.6
5	17.3
IC9781	
1	0
2	5
3	0
4	5.1
5	5.1
6	5.1
7	1.1
8	0
9	5
10	5.1
11	4.9
12	0
13	5.1
14	5.1
15	0
16	0
Q9721	
E	0
C	9
B	0
Q9761	
E	0
C	0
B	5.1
Q9821	
E	0
C	0
B	0.6
Q9831	
E	0
C	0
B	0.6
Q9841	
E	0
C	0
B	0.6
Q9851	
E	13.1
C	6
B	13.1
Q9852	
E	0
C	13.1
B	0
Q9853	
E	0
C	0
B	3.1
Q9861	
E	0
C	0
B	0.6
Q9901	
E	11.2
C	11.2
B	10.5
Q9902	
E	0
C	0
B	3

<IRIS PWB>
[P.2-81 - P.2-82]

MODE PIN NO.	DC (V)
IC5001	
1	2.2
2	4.4
3	4.4
4	0
5	4.4
6	4.4
7	6.6
8	9
IC5002	
1	5.2
2	4.6
3	4.6
4	0
5	3.2
6	3.2
7	4.2
8	9
IC5003	
1	19.3
2	19
3	11.9
4	3.8
5	0
IC5005	
1	5.3
2	0
3	0
4	0
5	6
6	0
7	0
8	0
9	5.7
10	5.7
11	2.8
12	0
13	3.3
14	5.9
15	3.7
16	5.9
IC5006	
1	5.8
2	5.8
3	0
4	0
5	5.5
6	5.5
7	0.3
8	5.8
Q5001	
E	3.7
C	3.7
D	4.6

<FRONT LED PWB>
[P.2-83]

MODE PIN NO.	DC (V)
Q0801	
E	0
C	2.3
B	0
Q0802	
E	0
C	0
B	0.6
Q0803	
E	0
C	0
B	0.6
Q0804	
E	0
C	4
B	0
Q0805	
E	0.9
C	4
B	0
Q0806	
E	0
C	0.9
B	0
Q0807	
E	0
C	3.9
B	0
Q0808	
E	0
C	3.6
B	0

<THERMO PWB>
[P.2-84]

MODE PIN NO.	DC (V)
IC2001	
1	4.5
2	4.5
3	4
4	0
5	0
6	0
7	0
8	4.9

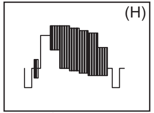
<REMOCON PWB>
[P.2-86]

MODE PIN NO.	DC (V)
IC0821	
1	2.8
2	4.9
3	0

WAVEFORMS

TUNER PWB(1/2)

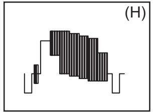
TU001-18



1 Vp-p

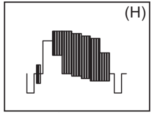
ANALOG PWB(1/6)

IC101-45



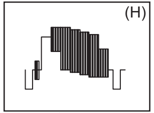
6 Vp-p

IC101-49



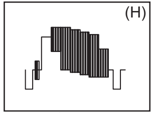
6 Vp-p

IC101-57



1 Vp-p

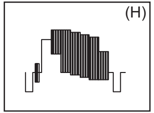
IC101-79



1 Vp-p

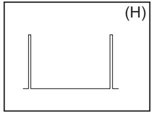
ANALOG PWB(1/6)

IC102-2



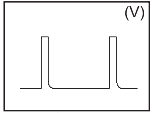
6 Vp-p

IC102-28



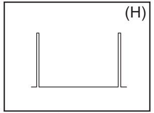
3.0 Vp-p

IC102-37



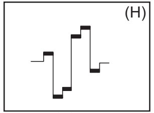
3.4 Vp-p

IC102-38



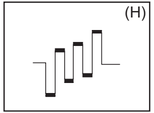
2.5 Vp-p

IC102-41



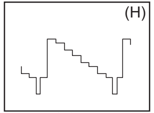
0.6 Vp-p

IC102-43



0.6 Vp-p

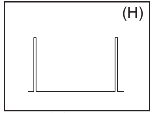
IC102-45



0.8 Vp-p

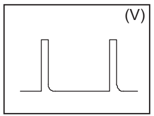
DIGITAL PWB(4/16)

IC6401-33



3.0 Vp-p

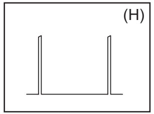
IC6401-44



3.4 Vp-p

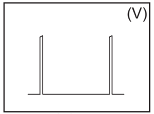
DIGITAL PWB(11/16)

IC6501-7



3.0 Vp-p

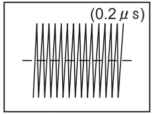
IC6501-8



3.0 Vp-p

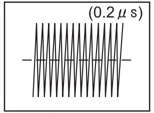
DIGITAL PWB(15/16)

IC7601-13



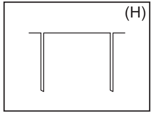
6 Vp-p

IC7601-15



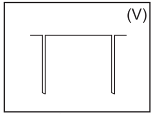
6 Vp-p

IC7601-62



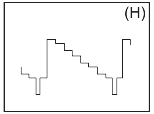
3.5 Vp-p

IC7601-64



3.5 Vp-p

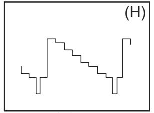
IC7601-97



0.8 Vp-p

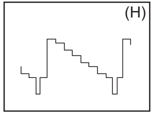
DIGITAL PWB(15/16)

IC7605-2



2.0 Vp-p

IC7605-4



0.5 Vp-p

Victor Company of Japan, Limited
ILA Display Category 12, 3-chome, Moriya-cho, Kanagawa-ku, Yokohama-city, Kanagawa-prefecture, 221-8528, Japan

Printed in Japan
VPT

PARTS LIST

CAUTION

- The parts identified by the ⚠ symbol are important for the safety . Whenever replacing these parts, be sure to use specified ones to secure the safety.
- The parts not indicated in this Parts List and those which are filled with lines --- in the Parts No. columns will not be supplied.
- P.W. BOARD Ass'y will not be supplied, but those which are filled with the Parts No. in the Parts No. columns will be supplied.

ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

RESISTORS		CAPACITORS	
CR	Carbon Resistor	C CAP.	Ceramic Capacitor
FR	Fusible Resistor	E CAP.	Electrolytic Capacitor
PR	Plate Resistor	M CAP.	Mylar Capacitor
VR	Variable Resistor	CH CAP.	Chip Capacitor
HV R	High Voltage Resistor	HV CAP.	High Voltage Capacitor
MF R	Metal Film Resistor	MF CAP.	Metalized Film Capacitor
MG R	Metal Glazed Resistor	MM CAP.	Metalized Mylar Capacitor
MP R	Metal Plate Resistor	MP CAP.	Metalized Polystyrol Capacitor
OM R	Metal Oxide Film Resistor	PP CAP.	Polypropylene Capacitor
CMF R	Coating Metal Film Resistor	PS CAP.	Polystyrol Capacitor
UNF R	Non-Flammable Resistor	TF CAP.	Thin Film Capacitor
CH V R	Chip Variable Resistor	MPP CAP.	Metalized Polypropylene Capacitor
CH MG R	Chip Metal Glazed Resistor	TAN. CAP.	Tantalum Capacitor
COMP. R	Composition Resistor	CH C CAP.	Chip Ceramic Capacitor
LPTC R	Linear Positive Temperature Coefficient Resistor	BP E CAP.	Bi-Polar Electrolytic Capacitor
		CH AL E CAP.	Chip Aluminum Electrolytic Capacitor
		CH AL BP CAP.	Chip Aluminum Bi-Polar Capacitor
		CH TAN. E CAP.	Chip Tantalum Electrolytic Capacitor
		CH AL BP E CAP.	Chip Tantalum Bi-Polar Electrolytic Capacitor

RESISTORS									
F	G	J	K	M	N	R	H	Z	P
±1%	±2%	±5%	±10%	±20%	±30%	+30% -10%	+50% -10%	+80% -20%	+100% -0%

CONTENTS

USING P.W. BOARD & REMOTE CONTROL UNIT 3-3
EXPLODED VIEW PARTS LIST -1 [HD-56FH96] 3-4
EXPLODED VIEW -1 [HD-56FH96] 3-5
EXPLODED VIEW PARTS LIST -2 [HD-56FH96] 3-6
EXPLODED VIEW -2 [HD-56FH96] 3-7
EXPLODED VIEW PARTS LIST -3 [HD-61FH96] 3-8
EXPLODED VIEW -3 [HD-61FH96] 3-9
EXPLODED VIEW PARTS LIST -4 [HD-61FH96] 3-10
EXPLODED VIEW -4 [HD-61FH96] 3-11
EXPLODED VIEW PARTS LIST -5 [HD-70FH96] 3-12
EXPLODED VIEW -5 [HD-70FH96] 3-13
EXPLODED VIEW PARTS LIST -6 [HD-70FH96] 3-14
EXPLODED VIEW -6 [HD-70FH96] 3-15
EXPLODED VIEW PARTS LIST -7 3-16
EXPLODED VIEW -7 3-17
EXPLODED VIEW PARTS LIST -8 3-18
EXPLODED VIEW -8 3-19

PRINTED WIRING BOARD PARTS LIST [HD-56FH96] 3-20
- ANALOG P.W. BOARD ASS'Y (SRA-1002A-M2) 3-20
- DRIVE P.W. BOARD ASS'Y (SRA-3001A-M2) 3-24
- SD CARD P.W. BOARD ASS'Y (SRA-8501A-M2) 3-33
- REMOCON P.W. BOARD ASS'Y (SRA-8001A-M2) 3-33
- THERMO P.W. BOARD ASS'Y (SRA-8201A-M2) 3-33
- IRIS P.W. BOARD ASS'Y (SRA-8301A-M2) 3-33
- POWER P.W. BOARD ASS'Y (SRA-9002A-M2) 3-34
- DIGITAL P.W. BOARD ASS'Y (SRA0D003A-M2) 3-36
- S CONTROL P.W. BOARD ASS'Y (SRA0L001A-M2) 3-41
- FRONT LED P.W. BOARD ASS'Y (SRA0L101A-M2) 3-41
- LAMP COVER SW P.W. BOARD ASS'Y (SRA0L201A-M2) 3-41
- TUNER P.W. BOARD ASS'Y (SRA0R001A-M2) 3-41
- ATSC TUNER MODULE P.W. BOARD ASS'Y (SSD-2105A-M2) 3-42

PRINTED WIRING BOARD PARTS LIST [HD-61FH96] 3-43
- ANALOG P.W. BOARD ASS'Y (SRA-1002A-M2) 3-43
- DRIVE P.W. BOARD ASS'Y (SRA-3001A-M2) 3-43
- SD CARD P.W. BOARD ASS'Y (SRA-8501A-M2) 3-43
- REMOCON P.W. BOARD ASS'Y (SRA-8001A-M2) 3-43
- THERMO P.W. BOARD ASS'Y (SRA-8201A-M2) 3-43
- IRIS P.W. BOARD ASS'Y (SRA-8301A-M2) 3-43
- POWER P.W. BOARD ASS'Y (SRA-9002A-M2) 3-43
- DIGITAL P.W. BOARD ASS'Y (SRA0D002A-M2) 3-43
- S CONTROL P.W. BOARD ASS'Y (SRA0L001A-M2) 3-48
- FRONT LED P.W. BOARD ASS'Y (SRA0L101A-M2) 3-48
- LAMP COVER SW P.W. BOARD ASS'Y (SRA0L201A-M2) 3-48
- TUNER P.W. BOARD ASS'Y (SRA0R001A-M2) 3-48
- ATSC TUNER MODULE P.W. BOARD ASS'Y (SSD-2105A-M2) 3-48

PRINTED WIRING BOARD PARTS LIST [HD-70FH96] ... 3-49
ANALOG P.W. BOARD ASS'Y (SRA-1001A-M2) ... 3-49
DRIVE P.W. BOARD ASS'Y (SRA-3001A-M2) ... 3-53
SD CARD P.W. BOARD ASS'Y (SRA-8501A-M2) ... 3-53
CARD VIEWER P.W. BOARD ASS'Y (SRP-8511A-M2) ... 3-53
REMOCON P.W. BOARD ASS'Y (SRA-8001A-M2) ... 3-55
THERMO P.W. BOARD ASS'Y (SRA-8201A-M2) ... 3-55
IRIS P.W. BOARD ASS'Y (SRA-8301A-M2) ... 3-55
POWER P.W. BOARD ASS'Y (SRA-9001A-M2) ... 3-55
DIGITAL P.W. BOARD ASS'Y (SRA0D001A-M2) ... 3-57
S CONTROL P.W. BOARD ASS'Y (SRA0L001A-M2) ... 3-61
FRONT LED P.W. BOARD ASS'Y (SRA0L101A-M2) ... 3-61
LAMP COVER SW P.W. BOARD ASS'Y (SRA0L201A-M2) ... 3-61
TUNER P.W. BOARD ASS'Y (SRA0R001A-M2) ... 3-61
ATSC TUNER MODULE P.W. BOARD ASS'Y (SSD-2105A-M2) ... 3-62
REMOTE CONTROL UNIT PARTS LIST (RM-C14G-1H) ... 3-62
PACKING ... 3-63
PACKING PARTS LIST ... 3-63

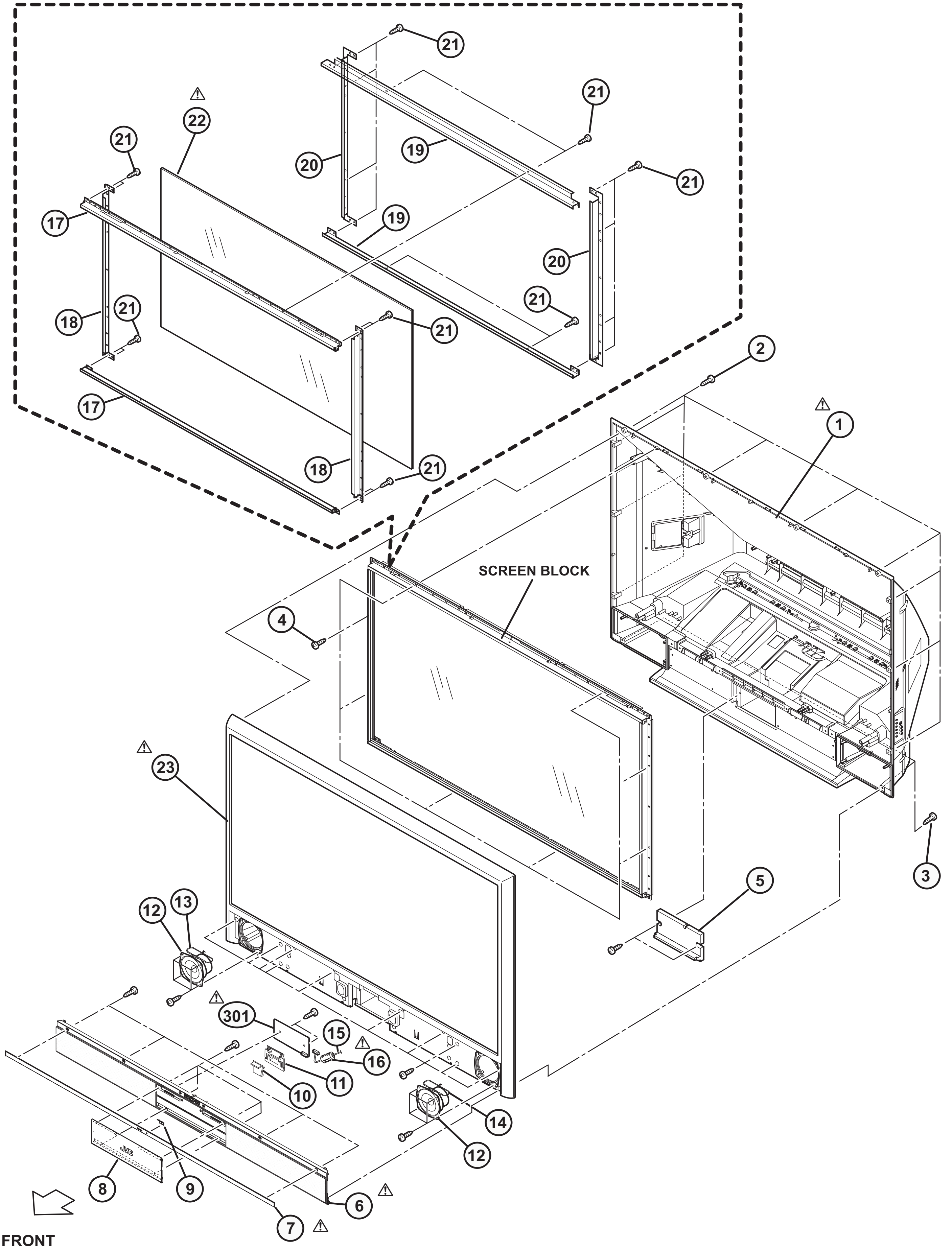
USING P.W. BOARD & REMOTE CONTROL UNIT

P.W.B ASS'Y name	P.W.B ASS'Y No.		
	HD-56FH96	HD-61FH96	HD-70FH96
ANALOG P.W.B	SRA-1002A-M2	←	SRA-1001A-M2
DRIVE P.W.B	SRA-3001A-M2	←	←
SD CARD P.W.B	SRA-8501A-M2	←	←
CARD VIEWER P.W.B	---	---	SRP-8511A-M2
REMOCON P.W.B	SRA-8001A-M2	←	←
THERMO P.W.B	SRA-8201A-M2	←	←
IRIS P.W.B	SRA-8301A-M2	←	←
POWER P.W.B	SRA-9002A-M2	←	SRA-9001A-M2
DIGITAL P.W.B	SRA0D003A-M2	SRA0D002A-M2	SRA0D001A-M2
S CONTROL P.W.B	SRA0L001A-M2	←	←
FRONT LED P.W.B	SRA0L101A-M2	←	←
LAMP COVER SW P.W.B	SRA0L201A-M2	←	←
TUNER P.W.B	SRA0R001A-M2	←	←
ATSC TUNER MODULE P.W.B	SSD-2105A-M2	←	←
REMOTE CONTROL UNIT	RM-C14G-1H	←	←

EXPLODED VIEW PARTS LIST -1 [HD-56FH96]

⚠	Ref.No.	Part No.	Part Name	Description	Local
⚠	1	LC12339-001C-A	BACK COVER		
	2	QYSBSFG4016MA	TAP SCREW	For BACK COVER(x10)	
	3	QYSBSFG4016MA	TAP SCREW	For BACK COVER(x2)	
	4	QYSBSFG4012ZA	TAP SCREW	For SCREEN ASSY(x8)	
	5	LC21590-001C-A	CENTER COVER		
⚠	6	LC12510-001A-A	SPEAKER GRILL BASE		
⚠	7	LC21996-002A-A	ORNAMENT PLATE		
	8	LC21986-001A-A	CENTER PANEL		
	9	LC33276-003A-0K	LED LENS		
	10	LC33272-001A-A	POWER KNOB		
	11	LC33273-001B-A	KNOB HOLDER		
	12	QAS0251-001	SPEAKER	SP01/SP02(x2)	
	13	WJJ0487-001A-E	E-SI C WIRE C-C		
	14	WJJ0487-002A-E	E-SI C WIRE C-C		
	15	WJJ0617-001A-E	E-SI C WIRE C-C		
⚠	16	QQR0490-001	NOISE FILTER		
	17	LC12372-001A-A	SCREEN HOLDER FRONT TOP/BOTTOM	(x2)	
	18	LC12374-001B-A	SCREEN HOLDER FRONT LEFT/RIGHT	(x2)	
	19	LC12373-001A-A	SCREEN HOLDER BACK TOP/BOTTOM	(x2)	
	20	LC12375-001B-A	SCREEN HOLDER BACK LEFT/RIGHT	(x2)	
	21	QYSBSG4008ZA	TAP SCREW	(x20)	
⚠	22	56ILASC01AM2	SCREEN ASSY		
⚠	23	LC12338-005A-A	FRONT PANEL		
⚠	301	SRA0L101A-M2	FRONT LED PWB		

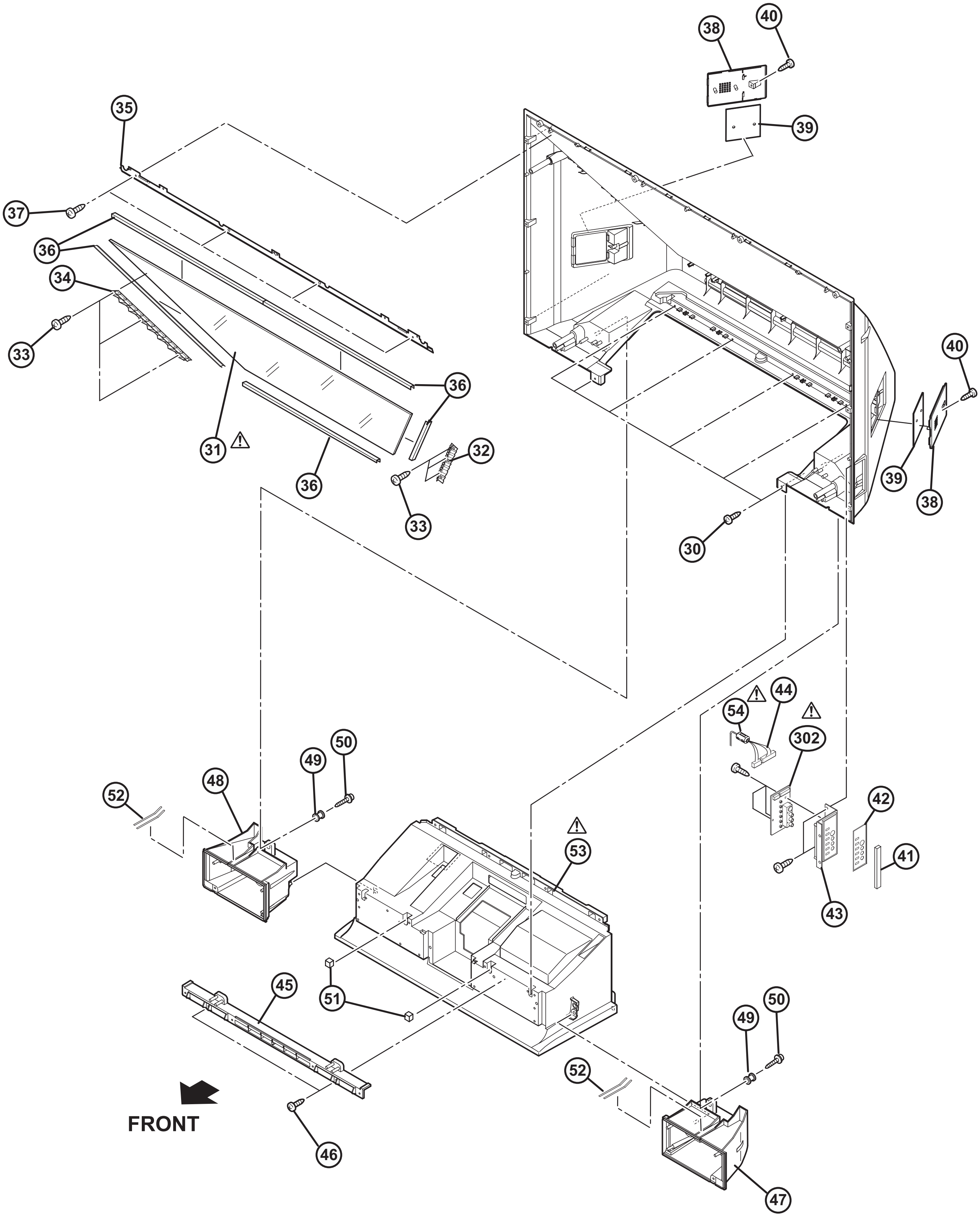
EXPLODED VIEW -1 [HD-56FH96]


21
21
22
21
19
20
21
17
19
20
21
18
21
21
17
18
21
2
1
SCREEN BLOCK
4
23
3
5
12
13
301
15
16
11
10
14
12
8
9
6
7
FRONT

EXPLODED VIEW PARTS LIST -2 [HD-56FH96]

⚠	Ref.No.	Part No.	Part Name	Description	Local
	30	QYSBSFG4016MA	TAP SCREW	M4 x 16mm(x6)	
⚠	31	LC33055-004A	56" GLASS MIRROR		
	32	LC21538-002A-A	MIRROR HOLDER RIGHT		
	33	QYSBSFG4012ZA	TAP SCREW	For MIRROR HOLDER(x6)	
	34	LC21538-001A-A	MIRROR HOLDER LEFT		
	35	LC12370-001A-A	MIRROR HOLDER TOP		
	36	LC21931-002A-A	SPONGE SPACER	(x5)	
	37	QYSBSFG4012ZA	TAP SCREW	For MIRROR HOLDER(x4)	
	38	LC21888-001B-A	FILTER COVER	(x2)	
	39	LC33158-001A-A	FILTER	(x2)	
	40	QYSBSFG4016MA	TAP SCREW	For FILTER COVER(x2)	
	41	LC32447-067A-A	STICK SHEET		
	42	LC33046-001A-A	SIDE CONTROL SHEET		
	43	LC21805-001A-A	SIDE CONTROL BASE		
	44	WJZ0151-001A-E	E-HARNESS ASSY		
	45	LC12303-001B-A	BACK COVER HOLDER		
	46	QYSBSFG4016MA	TAP SCREW	For BACK COVER HOLDER(x2)	
	47	LC12312-001A-A	SPEAKER BOX RIGHT		
	48	LC12312-002A-A	SPEAKER BOX LEFT		
	49	LC40226-005A-H	SPACER	(x2)	
	50	LC40506-003A-A	TAPPING SCREW	For SPEAKER BOX(x2)	
	51	LC42332-001A-A	SPONGE	(x2)	
	52	LC32447-071A-A	STICK SHEET	(x4)	
⚠	53	LC12263-001F-A	BODY		
⚠	54	QQR0490-001	NOISE FILTER		
⚠	302	SRA0L001A-M2	S CONTROL PWB		

EXPLODED VIEW -2 [HD-56FH96]

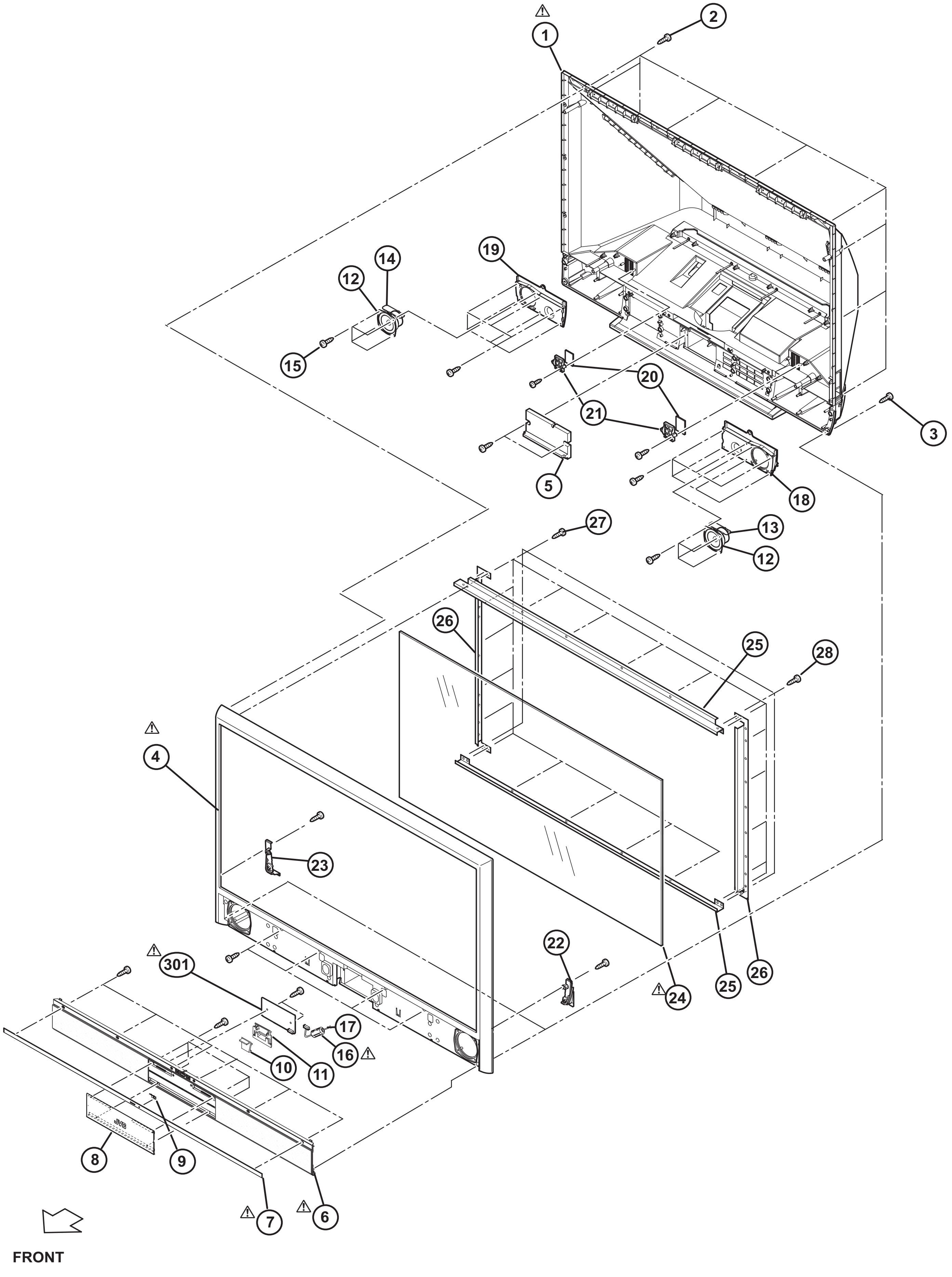


38
40
35
39
37
36
34
33
40
36
31
32
36
33
39
38
30
54
44
302
50
49
48
52
42
53
41
43
45
51
50
49
52
FRONT
46
47

EXPLODED VIEW PARTS LIST -3 [HD-61FH96]

⚠	Ref.No.	Part No.	Part Name	Description	Local
⚠	1	LC11916-001G-A	BACK COVER		
	2	QYSBSFG4016MA	TAP SCREW	For BACK COVER(x10)	
	3	QYSBSFG4016MA	TAP SCREW	For BACK COVER(x2)	
⚠	4	LC12420-001A-A	FRONT PANEL		
	5	LC21590-001C-A	CENTER COVER		
⚠	6	LC12509-001A-A	SPEAKER GRILL BASE		
⚠	7	LC21997-002A-A	ORNAMENT PLATE		
	8	LC21953-001A-A	CENTER PANEL		
	9	LC33276-003A-0K	LED LENS		
	10	LC33272-001A-A	POWER KNOB		
	11	LC33273-001B-A	KNOB HOLDER		
	12	QAS0251-001	SPEAKER	SP01/SP02(x2)	
	13	WJJ0487-002A-E	E-SI C WIRE C-C		
	14	WJJ0487-001A-E	E-SI C WIRE C-C		
	15	QYSBSFG4016MA	TAP SCREW	For SPEAKER(x8)	
⚠	16	QQR0490-001	NOISE FILTER		
	17	WJJ0617-001A-E	E-SI C WIRE C-C		
	18	LC11950-002B-A	SPEAKER PLATE RIGHT		
	19	LC11950-001B-A	SPEAKER PLATE LEFT		
	20	LC32621-001A-A	BACK COVER FILTER	(x2)	
	21	LC21539-001A-A	FILTER COVER	(x2)	
	22	LC21982-001A-A	CORNER COVER RIGHT		
	23	LC21982-002A-A	CORNER COVER LEFT		
⚠	24	61SC-004A-M2	SCREEN ASSY		
	25	LC21611-001E-A	SCREEN HOLDER TOP/BOTTOM	(x2)	
	26	LC21610-001E-A	SCREEN HOLDER LEFT/RIGHT	(x2)	
	27	QYSBSF4016ZA	TAP SCREW	For SCREEN HOLDER(x20)	
	28	QYSBSG4008ZA	TAP SCREW	For SCREEN HOLDER(x4)	
⚠	301	SRA0L101A-M2	FRONT LED PWB		

EXPLODED VIEW -3 [HD-61FH96]

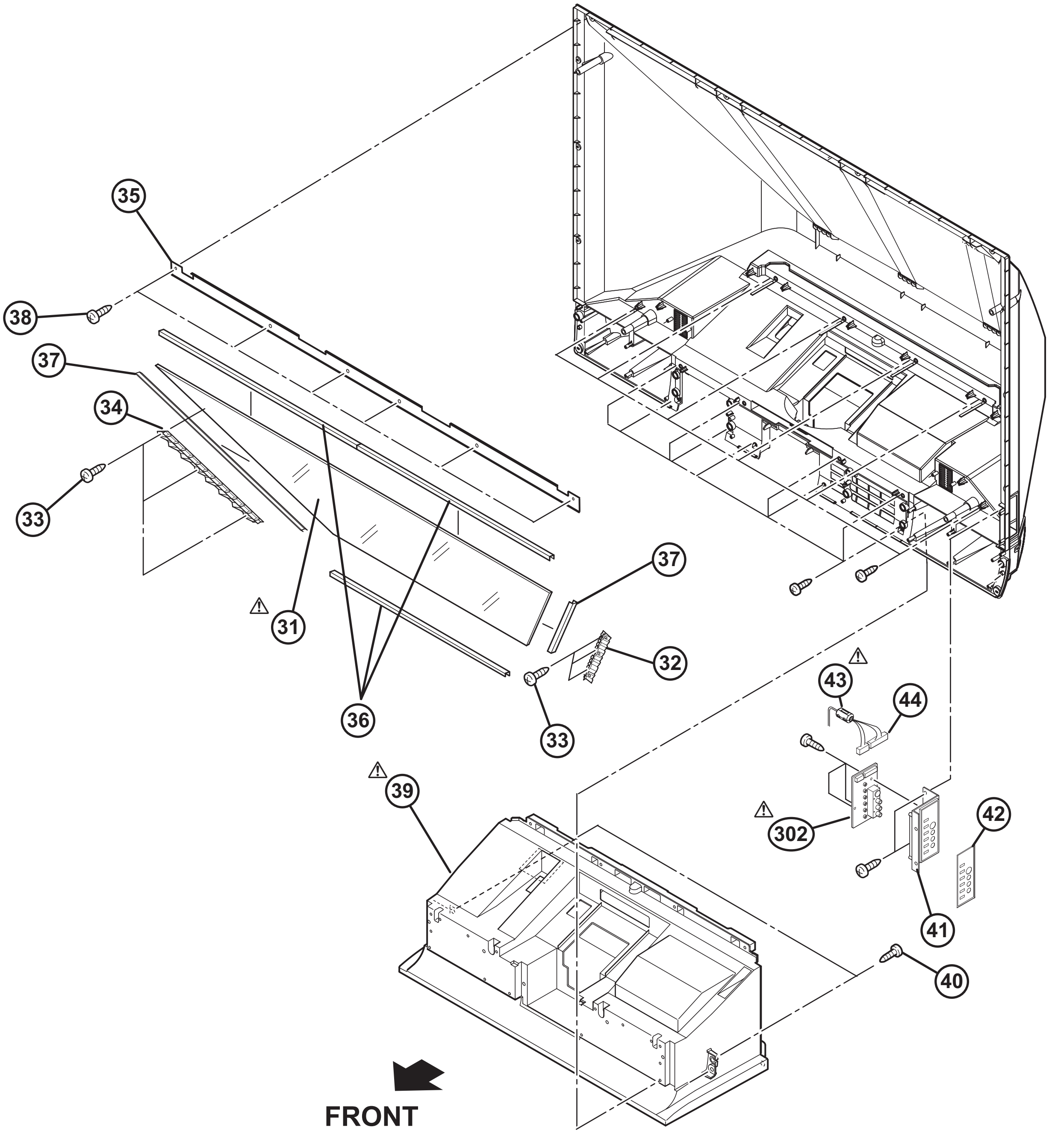


⚠
1
2
3
⚠
4
5
⚠
6
⚠
7
8
9
10
11
12
13
14
15
⚠
16
17
18
19
20
21
22
23
⚠
24
25
26
27
28
⚠
301
JVC
FRONT

EXPLODED VIEW PARTS LIST -4 [HD-61FH96]

⚠	Ref.No.	Part No.	Part Name	Description	Local
⚠	31	LC33055-002B	61" GLASS MIRROR		
	32	LC21538-002A-A	MIRROR HOLDER RIGHT		
	33	QYSBSFG4016MA	TAP SCREW	For MIRROR HOLDER(x6)	
	34	LC21538-001A-A	MIRROR HOLDER LEFT		
	35	LC12543-002B-0K	MIRROR HOLDER TOP		
	36	LC32447-055A-A	STICK SHEET TOP/BOTTOM	(x3)	
	37	LC32447-055A-A	STICK SHEET LEFT/RIGHT	(x2)	
	38	QYSBSF4012ZA	TAP SCREW	For MIRROR HOLDER(x6)	
⚠	39	LC12263-001F-A	BODY		
	40	QYSBSFG4016MA	TAP SCREW	M4 x 16mm(x2)	
	41	LC21805-001A-A	SIDE CONTROL BASE		
	42	LC33046-001A-A	SIDE CONTROL SHEET		
⚠	43	QQR0490-001	NOISE FILTER		
	44	WJZ0151-001A-E	E-HARNESS ASSY		
⚠	302	SRA0L001A-M2	S CONTROL PWB		

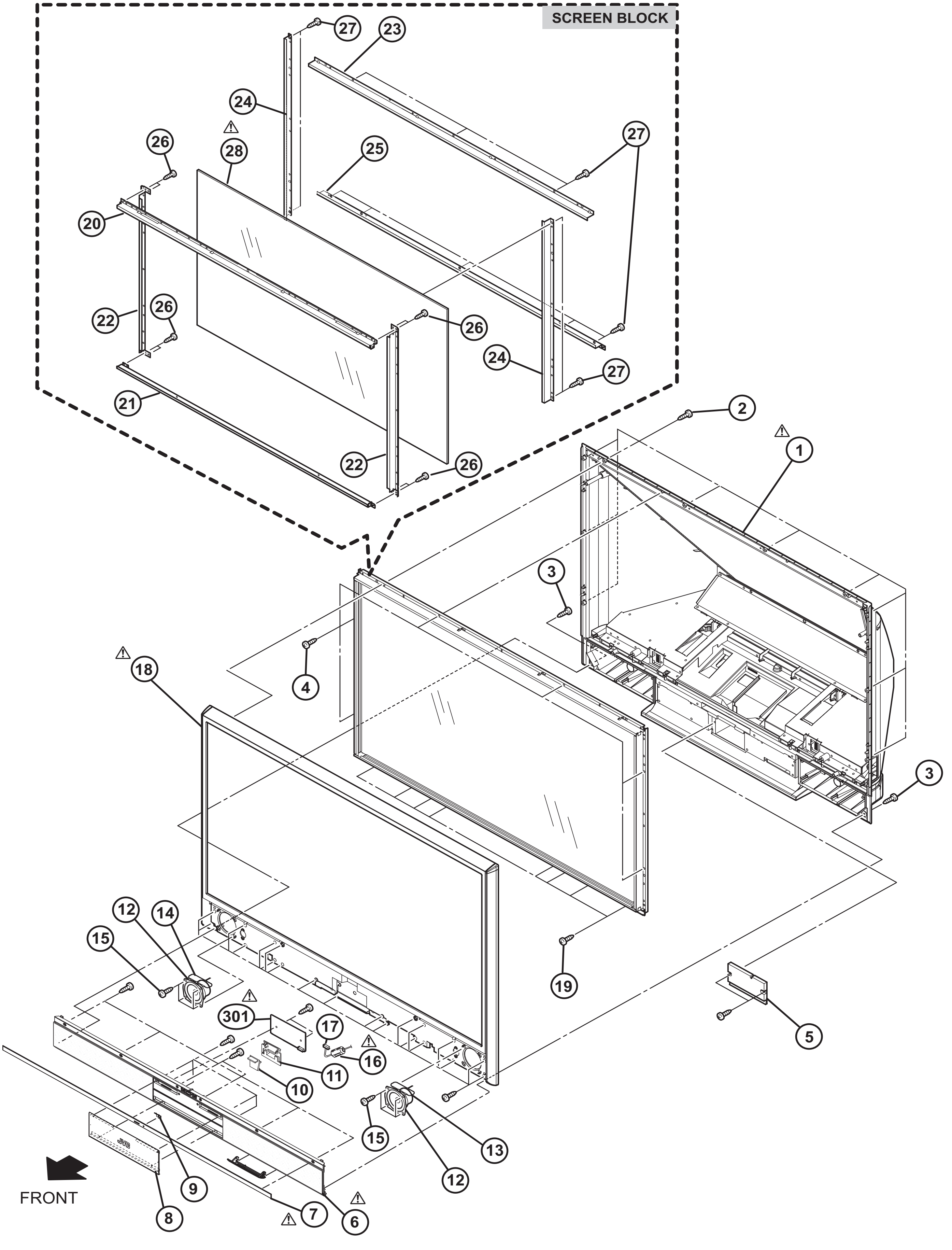
EXPLODED VIEW -4 [HD-61FH96]


35
38
37
34
33
31
36
37
32
33
43
44
39
302
42
41
40
FRONT

EXPLODED VIEW PARTS LIST -5 [HD-70FH96]

⚠	Ref.No.	Part No.	Part Name	Description	Local
⚠	1	LC12133-001F-A	BACK COVER		
	2	QYSBSFG4016MA	TAP SCREW	For BACK COVER(x10)	
	3	QYSBSFG4016MA	TAP SCREW	M4 x 16mm(x2)	
	4	QYSBSF4012ZA	TAP SCREW	For SCREEN BLOCK(x6)	
	5	LC21590-001C-A	CENTER COVER		
⚠	6	LC12592-001B-A	SPEAKER GRILL BASE		
⚠	7	LC21998-002A-A	ORNAMENT PLATE		
	8	LC21953-001A-A	CENTER PANEL		
	9	LC33276-003A-0K	LED LENS		
	10	LC33272-001A-A	POWER KNOB		
	11	LC33273-001B-A	KNOB HOLDER		
	12	QAS0251-001	SPEAKER	SP01/SP02(x2)	
	13	WJJ0487-004A-E	E-SI C WIRE C-C		
	14	WJJ0487-003A-E	E-SI C WIRE C-C		
	15	QYSBSFG4016MA	TAP SCREW	For SPEAKER(x8)	
⚠	16	QQR0490-001	NOISE FILTER		
	17	WJJ0617-001A-E	E-SI C WIRE C-C		
⚠	18	LC12132-002A-A	FRONT PANEL		
	19	QYSBSG4012ZA	TAP SCREW	For SCREEN BLOCK(x8)	
	20	LC12167-001B-A	SCREEN HOLDER FRONT TOP		
	21	LC12171-001B-A	SCREEN HOLDER FRONT BOTTOM		
	22	LC12169-001B-A	SCREEN HOLDER FRONT LEFT/RIGHT	(x2)	
	23	LC12168-001C-A	SCREEN HOLDER BACK TOP		
	24	LC12170-001C-A	SCREEN HOLDER BACK LEFT/RIGHT	(x2)	
	25	LC12172-001C-A	SCREEN HOLDER BACK BOTTOM		
	26	QYSBSG4012ZA	TAP SCREW	For SCREEN HOLDER(x8)	
	27	QYSBSG4012ZA	TAP SCREW	For SCREEN HOLDER(x11)	
⚠	28	70SC-001A-M2	SCREEN ASSY		
⚠	301	SRA0L101A-M2	FRONT LED PWB		

EXPLODED VIEW -5 [HD-70FH96]

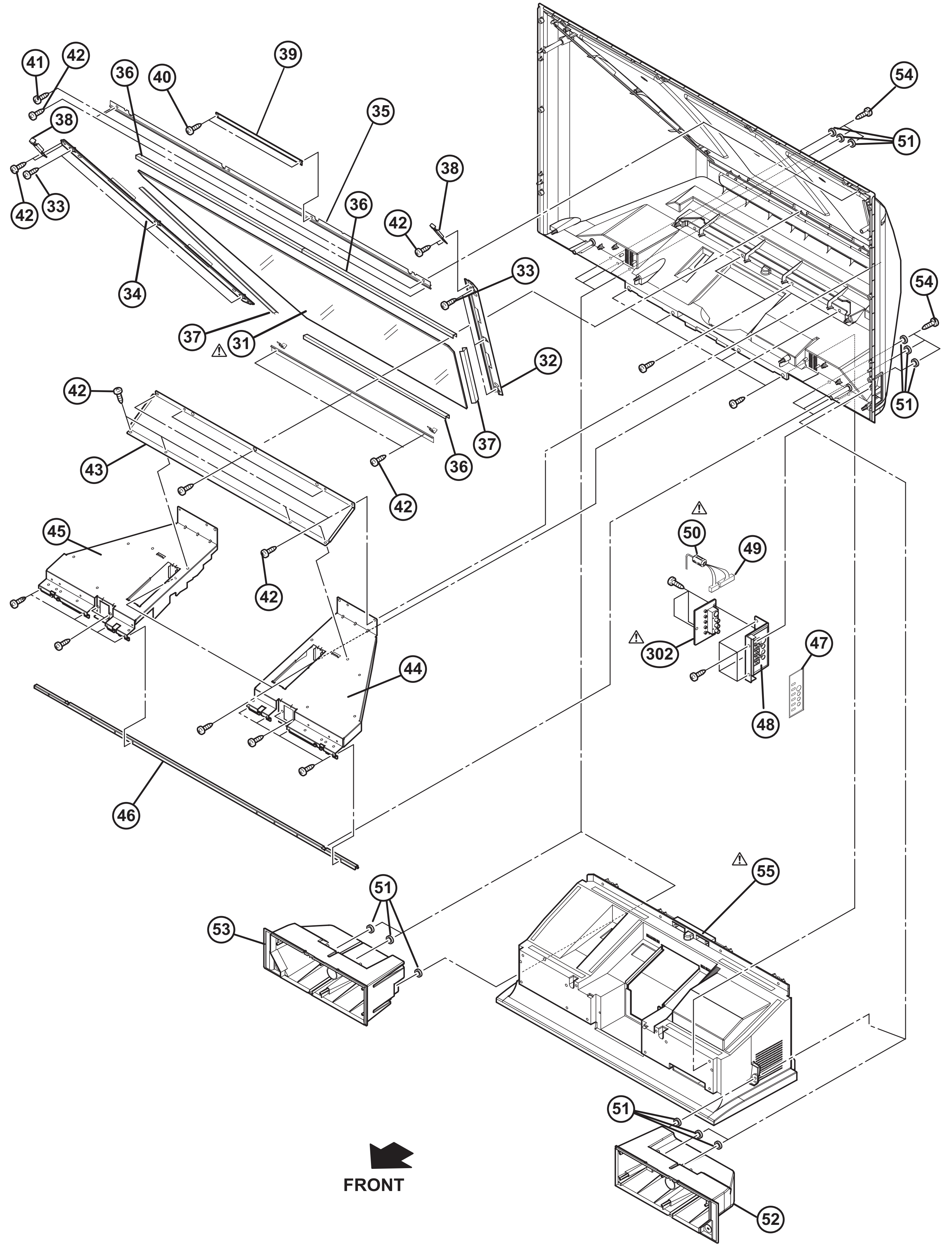


SCREEN BLOCK
27
23
24
⚠
28
26
25
27
20
22
26
26
24
27
21
22
26
2
⚠
1
3
4
⚠
18
3
19
12
14
15
⚠
301
17
⚠
16
11
10
5
15
13
12
9
FRONT
⚠
8
⚠
7
6
JVC

EXPLODED VIEW PARTS LIST -6 [HD-70FH96]

⚠	Ref.No.	Part No.	Part Name	Description	Local
⚠	31	LC33055-001A	70" GLASS MIRROR		
	32	LC12165-001A-A	MIRROR HOLDER RIGHT		
	33	QYSBSFG4010ZA	TAP SCREW	For MIRROR HOLDER(x6)	
	34	LC12165-002A-A	MIRROR HOLDER LEFT		
	35	LC12163-001B-A	MIRROR HOLDER TOP		
	36	LC32447-057A-A	STICK SHEET	(x3)	
	37	LC32447-058A-A	STICK SHEET	(x2)	
	38	LC33141-001A-A	MIRROR HOLDER BRACKET TOP	(x2)	
	39	LC33173-001A-A	MIRROR HOLDER SUPPORT		
	40	QYSBSFG4012ZA	TAP SCREW	M4 x 12mm(x2)	
	41	QYSBSFG4010ZA	TAP SCREW	M4 x 10mm(x2)	
	42	QYSBSG4012ZA	TAP SCREW	M4 x 12mm(x14)	
	43	LC12335-001B-A	BACK COVER BRACKET REAR		
	44	LC12334-001B-A	BACK COVER BRACKET RIGHT		
	45	LC12333-001B-A	BACK COVER BRACKET LEFT		
	46	LC12332-001A-A	BACK COVER BRACKET FRONT		
	47	LC33046-001A-A	SIDE CONTROL SHEET		
	48	LC21805-001A-A	SIDE CONTROL BASE		
	49	WJZ0151-002A-E	E-HARNESS ASSY		
⚠	50	QQR0490-001	NOISE FILTER		
	51	LC42165-001A-A	RUBBER WASHER	(x12)	
	52	LC12143-001A-A	SPEAKER BOX RIGHT		
	53	LC12143-002A-A	SPEAKER BOX LEFT		
	54	QYSBSFG4016MA	TAP SCREW	For SPEAKER BOX(x6)	
⚠	55	LC12263-002C-A	BODY		
⚠	302	SRA0L001A-M2	S CONTROL PWB		

EXPLODED VIEW -6 [HD-70FH96]

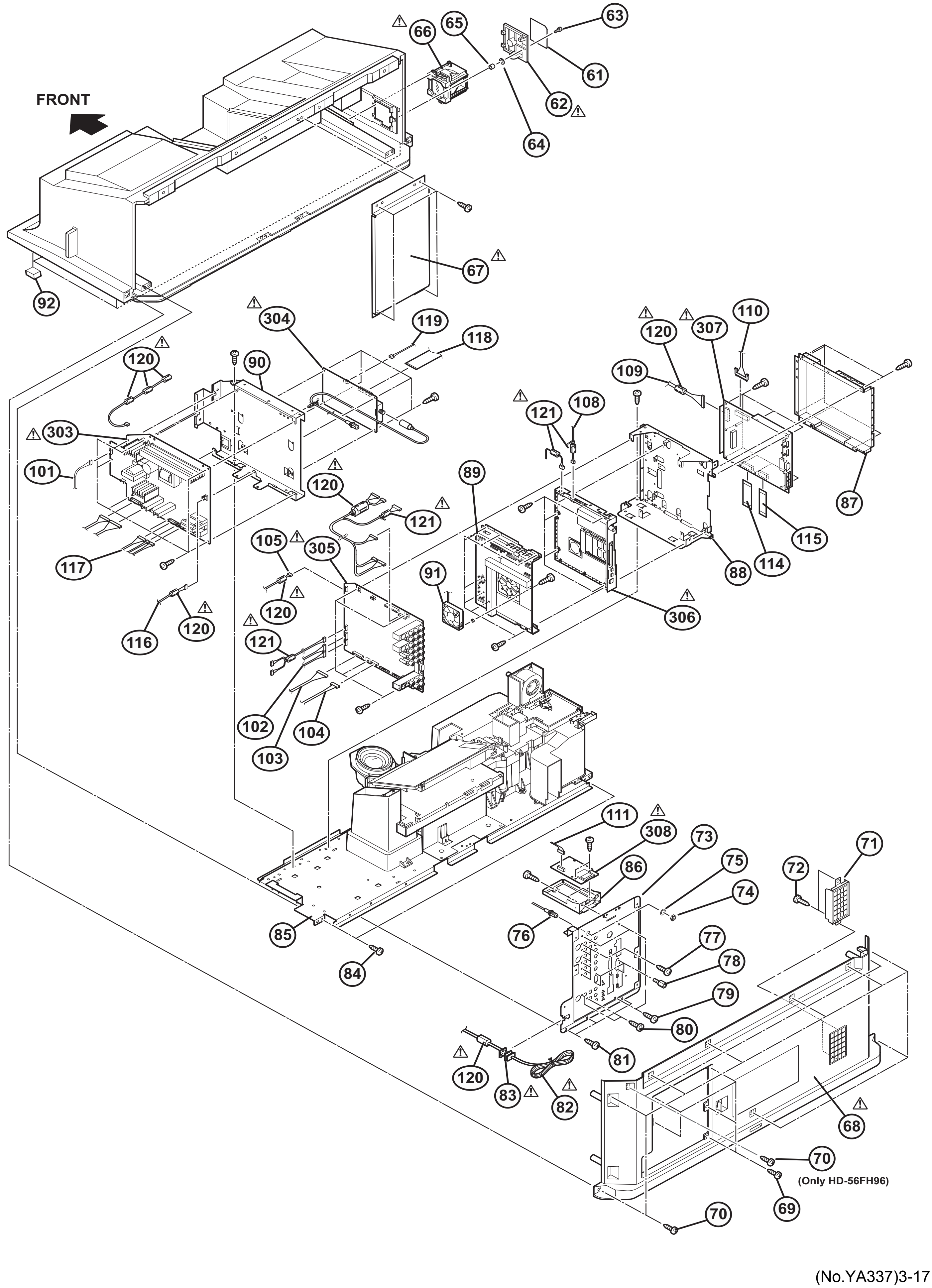


41
42
36
40
39
54
38
51
35
38
42
33
36
42
34
33
54
37
31
32
51
42
43
37
36
42
45
50
49
42
302
47
44
48
46
55
51
53
51
52
FRONT

EXPLODED VIEW PARTS LIST -7

⚠	Ref.No.	Part No.	Part Name	Description	Local
	61	LC33208-001A-A	WARNING SHEET		
⚠	62	LC12307-001A-A	LAMP COVER		
	63	LC33041-002A-A	KNOB SCREW		
	64	LC41978-001A-A	WASHER		
	65	LC42276-001A-A	INSERT NUT		
⚠	66	TS-CL110UAA	LAMP UNIT		
⚠	67	LC11943-001B-A	BODY BRACKET		
⚠	68	LC12259-001C-A	BODY COVER		
	69	QYSBSG4012ZA	TAP SCREW	For BODY COVER(x5)	
	70	QYSBSFG4016MA	TAP SCREW	For BODY COVER(x11)	HD-56FH96
	70	QYSBSFG4016MA	TAP SCREW	For BODY COVER(x9)	HD-61FH96,HD-70FH96
	71	LC21690-002A-A	LAMP DUCT BRACKET		
	72	QYSBSFG4016MA	TAP SCREW	For LAMP DUCT BRACKET(x2)	
	73	LC21934-001A-A	TERMINAL BOARD ASSY		
	74	LC42119-001A	NUT		
	75	CM46798-001	WASHER		
	76	QAM0821-001	RF CABLE		
	77	QYSBSF3012MA	TAP SCREW	For TERMINAL BOARD(x6)	
	78	QNB0036-001	CONN ACCESSORY	For TERMINAL BOARD(x4)	
	79	QYSBSG3008ZA	TAP SCREW	For TERMINAL BOARD(x3)	
	80	QYSBSF3012MA	TAP SCREW	For TERMINAL BOARD(x2)	
	81	QYSBSG4012ZA	TAP SCREW	For TERMINAL BOARD(x3)	
⚠	82	QMPD290-200-JC	POWER CORD(US/CA)	2m BLACK	
⚠	83	LC20106-001D-A	POWER CORD CLAMP		
	84	QYSBSFG4016MA	TAP SCREW	For UNIT BASE(x2)	
	85	LC12369-001C-A	UNIT BASE		
	86	LC33073-001A-A	SD CARD BRACKET		
	87	LC12488-001A-A	SHIELD CASE		
	88	LC12434-001A-A	DIGITAL PB BRACKET		
	89	LC12538-001A-A	ATSC SHIELD		
	90	LC12435-001A-A	POWER PB BRACKET		
	91	QAR0351-001	COOLING FAN		
	92	LC33206-001A-A	FOOT	(x4)	
	101	QJJ015-062011-E	SIN CR C-C WIRE		
	102	QJJ015-053010-E	SIN CR C-C WIRE		
	103	QJJ015-122012-E	SIN CR C-C WIRE		
	104	WJN0199-001A-E	E-SH C WIRE C-C		HD-70FH96
	105	QJJ015-044014-E	SIN CR C-C WIRE		
	108	QJJ015-036023-E	SIN CR C-C WIRE		
	109	WJJ0656-001A-E	E-SI C WIRE C-C		
	110	WJW0030-002A-E	E-TWISTED ASSY		
	111	WJJ0655-001A-E	E-SI C WIRE C-C		
	114	QUQ105-5013AE-E	FFC WIRE	50pin 13cm	
	115	QUQ105-4013AE-E	FFC WIRE	40pin 13cm	
	116	WJM0378-002A-E	E-SI C WIRE C-F		
	117	QJJ015-099424-E	SIN CR C-C WIRE		
	118	QUQK12-2514CH-E	FFC WIRE	25pin 14cm	
	119	QJJ015-031213-E	SIN CR C-C WIRE		
⚠	120	QQR0491-001	FERRITE CORE	(x8)	
⚠	121	QQR0490-001	NOISE FILTER	(x4)	
⚠	303	SRA-9002A-M2	POWER PWB		HD-56FH96,HD-61FH96
⚠	303	SRA-9001A-M2	POWER PWB		HD-70FH96
⚠	304	SRA0R001A-M2	TUNER PWB		
⚠	305	SRA-1002A-M2	ANALOG PWB		HD-56FH96,HD-61FH96
⚠	305	SRA-1001A-M2	ANALOG PWB		HD-70FH96
⚠	306	SSD-2105A-M2	ATSC TUNER MODULE PWB		
⚠	307	SRA0D003A-M2	DIGITAL PWB		HD-56FH96
⚠	307	SRA0D002A-M2	DIGITAL PWB		HD-61FH96
⚠	307	SRA0D001A-M2	DIGITAL PWB		HD-70FH96
⚠	308	SRA-8501A-M2	SD CARD PWB		

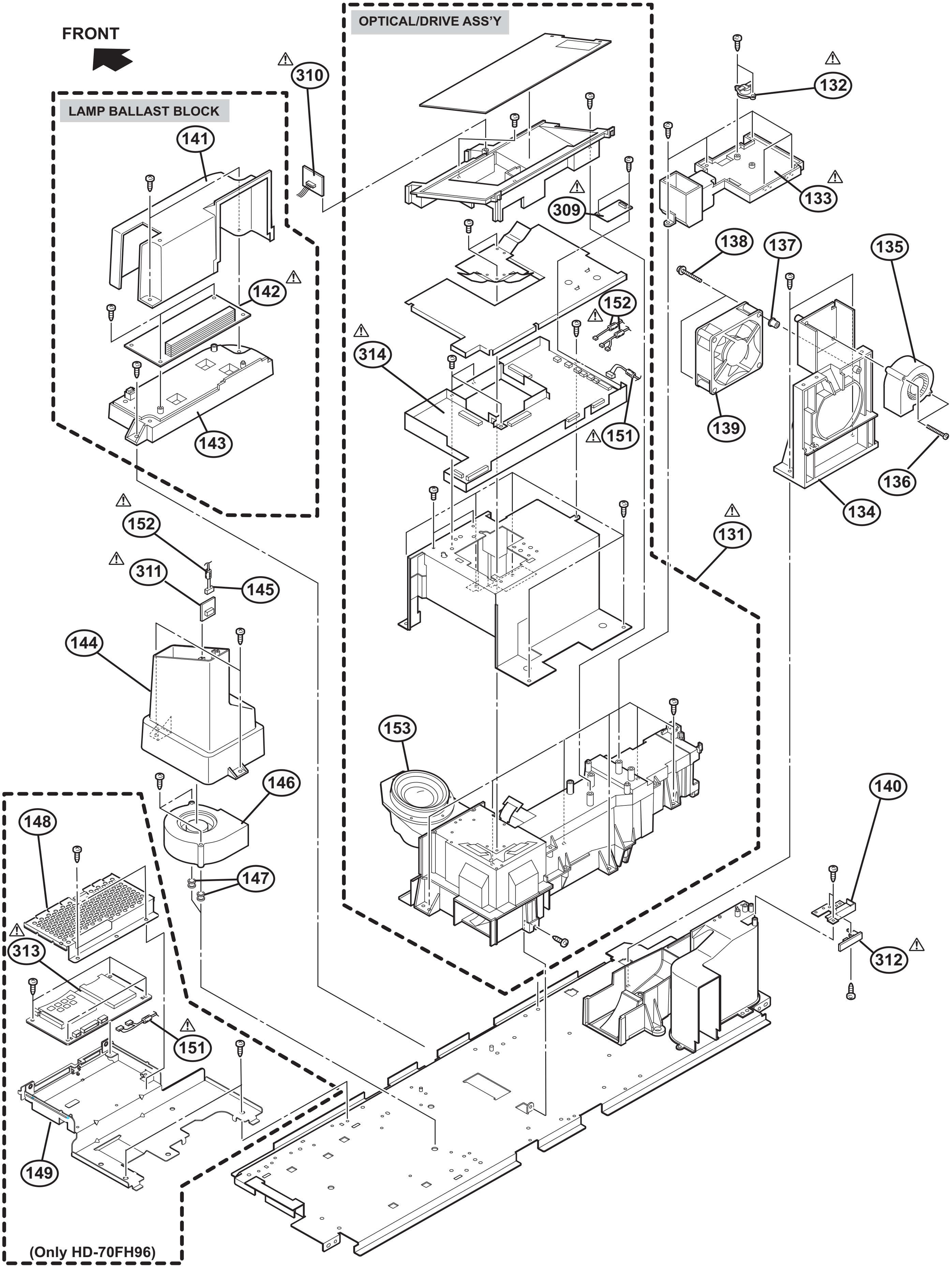
EXPLODED VIEW -7


66
65
63
61
62
64
FRONT
67
92
304
119
118
120
90
303
101
117
116
120
120
121
105
305
120
121
102
103
104
89
91
121
108
109
120
307
110
87
88
114
115
306
111
308
73
86
85
84
75
74
72
71
76
77
78
79
80
81
120
83
82
68
70
(Only HD-56FH96)
69
70

EXPLODED VIEW PARTS LIST -8

⚠	Ref.No.	Part No.	Part Name	Description	Local
⚠	131	TS-COP8A-SAA	OPTICAL/DRIVE ASSY	Inc.D-ILA DEVICE/DRIVE PWB/IRIS PWB/PJ LENS UNIT	
⚠	132	QMR0011-001	THERMOSTAT		
⚠	133	LC12225-001A-A	LAMP FAN DUCT		
	134	LC12352-001B-A	COOLING FAN BRACKET		
	135	QAR0367-001	LAMP COOLING FAN-1		
	136	QYSBSFG4035MA	TAP SCREW	M4 x 35mm(x2)	
	137	LC42034-001A-A	WELL NUT	(x2)	
	138	QYSPSPD4040MA	SCREW	M4 x 40mm(x2)	
	139	QAR0354-001	LAMP COOLING FAN-2		
	140	LC33160-001A-A	LAMP COVER SW BRACKET		
	141	LC12354-001B-A	LAMP BALLAST DUCT		
⚠	142	QAL0765-001	LAMP BALLAST UNIT		
	143	LC12353-001B-A	LAMP BALLAST BRACKET		
	144	LC12355-001B-A	SIROCCO CASE TOP		
	145	QJJ015-041204-E	SIN CR C-C WIRE		
	146	QAR0368-001	OPTICAL BLOCK COOLING FAN		
	147	LC42034-001A-A	WELL NUT	(x2)	
	148	LC33049-001B-A	CARD SHIELD COVER		HD-70FH96
	149	LC21842-001D-A	CARD BRACKET ASSY		HD-70FH96
⚠	151	QQR0491-001	FERRITE CORE	(x1)	HD-56FH96,HD-61FH96
⚠	151	QQR0491-001	FERRITE CORE	(x2)	HD-70FH96
⚠	152	QQR0490-001	NOISE FILTER	(x3)	
	153	LC12433-001A	PJ LENS UNIT		
⚠	309	SRA-8301A-M2	IRIS PWB		
⚠	310	SRA-8001A-M2	REMOCON PWB		
⚠	311	SRA-8201A-M2	THERMO PWB		
⚠	312	SRA0L201A-M2	LAMP COVER SW PWB		
⚠	313	SRP-8511A-M2	CARD VIEWER PWB		HD-70FH96
⚠	314	SRA-3001A-M2	DRIVE PWB		

EXPLODED VIEW -8


FRONT
OPTICAL/DRIVE ASS'Y
LAMP BALLAST BLOCK
⚠ 310
141
⚠ 142
143
⚠ 309
⚠ 314
⚠ 152
⚠ 151
⚠ 132
⚠ 133
138
137
135
139
136
134
⚠ 131
⚠ 152
⚠ 311
145
144
153
146
148
147
140
⚠ 313
⚠ 151
⚠ 312
149
(Only HD-70FH96)

PRINTED WIRING BOARD PARTS LIST [HD-56FH96]

ANALOG P.W. BOARD ASS'Y (SRA-1002A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC101	R2S11004FT	IC		
IC102	R2S11003FT	IC		
IC103	MM1510XN-X	IC		
IC104	MM1510XN-X	IC		
IC105	MM1510XN-X	IC		
IC106	CD4066BNS-X	IC		
IC281	BD3869AF-X	IC		
IC282	RC4558D-X	IC		
IC301	CD4052BNS-X	IC		
IC381	M62320FP-X	IC		
IC601	NJW1181FP1	IC		
IC602	PQ20WZ11-X	IC		
IC604	HA17558AF-X	IC		
IC605	TDA8928ST/N1	IC		
IC606	M62320FP-X	IC		
IC607	LM393DR-X	IC		
IC902	TA48M033F-X	IC		
Q101	UN2213-X	DIGI TRANSISTOR		
Q102	UN2213-X	DIGI TRANSISTOR		
Q106	2SK1374-X	MOS FET		
Q107	2SK1374-X	MOS FET		
Q108	2SC3928A/QR/-X	TRANSISTOR		
Q109	2SA1022/BC/-X	TRANSISTOR		
Q110	2SA1022/BC/-X	TRANSISTOR		
Q111	2SA1022/BC/-X	TRANSISTOR		
Q112	2SA1022/BC/-X	TRANSISTOR		
Q113	2SC3928A/QR/-X	TRANSISTOR		
Q301	UN2213-X	DIGI TRANSISTOR		
Q302	UN2213-X	DIGI TRANSISTOR		
Q431	UN2226-X	DIGI TRANSISTOR		
Q432	UN2226-X	DIGI TRANSISTOR		
Q433	UN2110-X	DIGI TRANSISTOR		
Q451	UN2226-X	DIGI TRANSISTOR		
Q452	UN2226-X	DIGI TRANSISTOR		
Q453	UN2110-X	DIGI TRANSISTOR		
Q605	UN2212-X	DIGI TRANSISTOR		
Q606	UN2112-X	DIGI TRANSISTOR		
Q607	2SC3928A/QR/-X	TRANSISTOR		
Q614	2SA1530A/QR/-X	TRANSISTOR		
Q901	2SC3074/OY/-X	TRANSISTOR		
Q902	2SC3074/OY/-X	TRANSISTOR		
D105	1SS355-X	SI DIODE		
D110	1SS355-X	SI DIODE		
D121	MA8056/M/-X	Z DIODE		
D122	MA8056/M/-X	Z DIODE		
D123	MA8056/M/-X	Z DIODE		
D124	MA8056/M/-X	Z DIODE		
D125	MA8056/M/-X	Z DIODE		
D126	MA8056/M/-X	Z DIODE		
D131	MA8100/M/-X	Z DIODE		
D132	MA8100/M/-X	Z DIODE		
D133	MA8100/M/-X	Z DIODE		
D134	MA8100/M/-X	Z DIODE		
D135	MA8100/M/-X	Z DIODE		
D136	MA8100/M/-X	Z DIODE		
D401	UDZS10B-X	Z DIODE		
D402	UDZS10B-X	Z DIODE		
D403	UDZS10B-X	Z DIODE		
D404	UDZS10B-X	Z DIODE		
D405	UDZS10B-X	Z DIODE		
D406	UDZS10B-X	Z DIODE		
D407	UDZS10B-X	Z DIODE		
D408	UDZS10B-X	Z DIODE		
D409	UDZS10B-X	Z DIODE		
D410	UDZS10B-X	Z DIODE		
D411	UDZS10B-X	Z DIODE		
D412	UDZS10B-X	Z DIODE		
D413	UDZS10B-X	Z DIODE		
D414	UDZS10B-X	Z DIODE		
D415	UDZS10B-X	Z DIODE		
D416	UDZS10B-X	Z DIODE		
D417	UDZS10B-X	Z DIODE		
D418	UDZS10B-X	Z DIODE		
D419	UDZS10B-X	Z DIODE		
D420	UDZS10B-X	Z DIODE		
D421	UDZS10B-X	Z DIODE		
D422	UDZS10B-X	Z DIODE		
D423	UDZS10B-X	Z DIODE		
D424	UDZS10B-X	Z DIODE		
D431	UDZS10B-X	Z DIODE		
D432	UDZS10B-X	Z DIODE		
D451	UDZS10B-X	Z DIODE		
D452	UDZS10B-X	Z DIODE		
D461	UDZS10B-X	Z DIODE		
D462	UDZS10B-X	Z DIODE		
D463	UDZS10B-X	Z DIODE		
D464	UDZS10B-X	Z DIODE		
D465	UDZS10B-X	Z DIODE		
D466	UDZS10B-X	Z DIODE		
D481	UDZS5.1B-X	Z DIODE		
D491	UDZS3.3B-X	Z DIODE		
D492	S9648	PHOTO CONDUCTOR		
D601	1SS355-X	SI DIODE		
D605	1SS355-X	SI DIODE		
D606	1SS355-X	SI DIODE		
D607	1SS355-X	SI DIODE		
D608	1SS355-X	SI DIODE		
D610	UDZS20B-X	Z DIODE		
D611	UDZS20B-X	Z DIODE		
D612	UDZS20B-X	Z DIODE		
D613	UDZS20B-X	Z DIODE		
D614	UDZS6.2B-X	Z DIODE		
D615	1SS355-X	SI DIODE		
D616	UDZS3.3B-X	Z DIODE		
D618	1SS355-X	SI DIODE		
D903	PTZ11B-X	Z DIODE		
D904	PTZ6.8B-X	Z DIODE		
C101	NEHL1CM-107X	E CAPACITOR	100uF 16V M	
C102	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C103	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C104	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C105	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C106	NEHL1EM-475X	E CAPACITOR	4.7uF 25V M	
C107	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C108	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C109	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C110	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C115	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C116	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C117	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C118	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C119	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C120	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C121	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C122	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C123	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C124	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C125	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C126	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C127	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C128	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C129	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C130	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C131	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C132	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C133	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C134	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C135	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C136	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C138	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C139	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C141	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C142	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C143	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C144	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C145	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C146	NEHL1AM-107X	E CAPACITOR	100uF 10V M	
C147	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C148	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C149	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C150	NEHL1AM-107X	E CAPACITOR	100uF 10V M	
C151	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C152	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C153	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C154	NEHL1AM-107X	E CAPACITOR	100uF 10V M	
C155	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C156	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C157	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C158	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C159	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C160	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C161	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C162	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C163	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C164	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C165	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C166	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C167	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C168	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	

⚠Ref No.	Part No.	Part Name	Description	Local
C169	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C170	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C171	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C172	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C173	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
C174	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C175	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C176	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C177	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C178	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C179	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C180	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C181	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C182	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C183	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C184	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C185	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C187	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C189	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C191	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C192	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C193	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C199	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C200	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C201	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C202	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C203	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C204	NENA1CM-475X	BP E CAPACITOR	4.7uF 16V M	
C206	NENA1CM-475X	BP E CAPACITOR	4.7uF 16V M	
C207	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C208	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C209	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C210	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C211	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C212	NDC31HJ-820X	C CAPACITOR	82pF 50V J	
C215	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C221	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C222	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C225	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C226	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C229	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C281	NENA1CM-475X	BP E CAPACITOR	4.7uF 16V M	
C282	NENA1CM-475X	BP E CAPACITOR	4.7uF 16V M	
C283	NEHL1EM-226X	E CAPACITOR	22uF 25V M	
C284	NEHL1CM-107X	E CAPACITOR	100uF 16V M	
C285	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C286	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C287	NENA1CM-475X	BP E CAPACITOR	4.7uF 16V M	
C288	NENA1CM-475X	BP E CAPACITOR	4.7uF 16V M	
C289	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
C290	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
C291	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C301	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C303	NENA1CM-475X	BP E CAPACITOR	4.7uF 16V M	
C304	NENA1CM-475X	BP E CAPACITOR	4.7uF 16V M	
C305	NEHL1CM-107X	E CAPACITOR	100uF 16V M	
C306	NEHL1EM-475X	E CAPACITOR	4.7uF 25V M	
C307	NEHL1EM-475X	E CAPACITOR	4.7uF 25V M	
C381	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
C382	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
C383	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C401	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C402	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C403	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C404	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C405	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C406	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C407	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C408	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C409	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C410	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C411	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C412	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C413	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C414	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C415	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C416	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C417	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C418	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C419	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C420	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C421	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C422	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C423	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C431	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C432	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C433	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C451	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C452	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C453	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C461	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C462	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C463	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C464	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C465	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C466	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C468	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C469	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C491	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C492	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C493	NEHL1CM-107X	E CAPACITOR	100uF 16V M	
C494	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C601	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C602	NEHL1EM-336X	E CAPACITOR	33uF 25V M	
C603	NEHL1EM-336X	E CAPACITOR	33uF 25V M	
C604	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C605	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C606	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C607	QETM1EM-477	E CAPACITOR	470uF 25V M	
C616	NEHL1EM-475X	E CAPACITOR	4.7uF 25V M	
C617	NEHL1EM-475X	E CAPACITOR	4.7uF 25V M	
C622	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
C623	NCB21CK-184X	C CAPACITOR	0.18uF 16V K	
C624	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C625	NCB31HK-183X	C CAPACITOR	0.018uF 50V K	
C628	NCB31HK-123X	C CAPACITOR	0.012uF 50V K	
C629	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C630	NCB21CK-184X	C CAPACITOR	0.18uF 16V K	
C631	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
C634	NCB31EK-393X	C CAPACITOR	0.039uF 25V K	
C637	NCB31EK-393X	C CAPACITOR	0.039uF 25V K	
C638	NCB31EK-223X	C CAPACITOR	0.022uF 25V K	
C639	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C643	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C644	NEHL1EM-475X	E CAPACITOR	4.7uF 25V M	
C645	NENA1CM-475X	BP E CAPACITOR	4.7uF 16V M	
C647	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C648	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C649	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C650	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C651	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C653	NCB31EK-223X	C CAPACITOR	0.022uF 25V K	
C654	NCB31CK-473X	C CAPACITOR	0.047uF 16V K	
C655	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C656	NENA1CM-475X	BP E CAPACITOR	4.7uF 16V M	
C659	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C660	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C661	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C662	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C663	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C664	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C665	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C666	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C667	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C668	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C669	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C671	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C674	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C675	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C676	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C677	NEHL1HM-105X	E CAPACITOR	1uF 50V M	
C678	NEHL1HM-105X	E CAPACITOR	1uF 50V M	
C679	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C680	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C681	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C682	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C683	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
C684	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
C685	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C686	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C687	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C688	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C689	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C690	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C691	NEHL1EM-226X	E CAPACITOR	22uF 25V M	
C692	NEHL1EM-226X	E CAPACITOR	22uF 25V M	
C693	NCB11EK-105X	C CAPACITOR	1uF 25V K	
C694	NCB11EK-105X	C CAPACITOR	1uF 25V K	
C697	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C698	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C699	QETM1HM-226	E CAPACITOR	22uF 50V M	
C700	QETM1HM-226	E CAPACITOR	22uF 50V M	
C701	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C702	QETM1EM-477	E CAPACITOR	470uF 25V M	
C704	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C705	QETM1EM-477	E CAPACITOR	470uF 25V M	
C707	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C708	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C709	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C711	NCB31HK-561X	C CAPACITOR	560pF 50V K	

⚠Ref No.	Part No.	Part Name	Description	Local
C712	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C713	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J	
C716	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C717	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C719	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J	
C720	QFVF1HJ-474Z	MF CAPACITOR	0.47uF 50V J	
C721	QFVF1HJ-474Z	MF CAPACITOR	0.47uF 50V J	
C722	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	
C723	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	
C724	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C726	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C727	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C728	QETM1EM-477	E CAPACITOR	470uF 25V M	
C904	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C905	NEHM1CM-476X	E CAPACITOR	47uF 16V M	
C911	NEX51CM-335X	E CAPACITOR	3.3uF 16V M	
C912	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C913	NEX51CM-335X	E CAPACITOR	3.3uF 16V M	
C914	NEX50JM-156X	E CAPACITOR	15uF 6.3V M	
C915	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C916	NEX50JM-156X	E CAPACITOR	15uF 6.3V M	
R101	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R102	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R103	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R104	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R105	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R106	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R126	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R127	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R128	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R136	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R137	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R140	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R141	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R142	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R143	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R144	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R145	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R146	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R147	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R150	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R151	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R152	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R153	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R154	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R157	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R158	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R159	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R160	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R161	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R164	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R165	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R166	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R167	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R168	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R169	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R170	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R171	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R172	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R174	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R175	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R176	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R178	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R179	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R180	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R181	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R183	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R184	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R185	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R187	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R188	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R189	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R190	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R192	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R194	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R204	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R205	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R206	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R207	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R208	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R209	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R210	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R219	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R220	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R221	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R223	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R224	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R225	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R228	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R229	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R230	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R231	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R232	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R233	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R234	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R235	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R241	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R243	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R245	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R246	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R247	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R249	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R251	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R253	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R255	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R257	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R259	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R260	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R261	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R262	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R263	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R264	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R265	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R266	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R267	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R280	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R281	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R284	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R285	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R286	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R287	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R288	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R289	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R290	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R291	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R292	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R295	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R296	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R297	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R299	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R306	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R307	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R308	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R309	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R310	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R311	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R312	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R313	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R314	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R315	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R316	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R317	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R318	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R319	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R322	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R323	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R382	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R384	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R385	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R387	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R388	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R389	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R390	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R391	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R392	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R393	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R394	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R395	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R401	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R402	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R403	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R404	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R405	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R407	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R408	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R409	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R410	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R411	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R412	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R413	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R414	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R415	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R416	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R417	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R418	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R419	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R420	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R421	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R422	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R423	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R431	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R433	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R434	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R435	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R436	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R437	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R438	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R439	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R440	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R441	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R442	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R443	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R444	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R451	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R452	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R453	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R454	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R455	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R456	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R457	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R458	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R461	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R462	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R463	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R464	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R465	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R466	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R467	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R468	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R469	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R470	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R471	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R474	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R475	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R476	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R481	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R491	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R534	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R535	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R584	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R585	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R586	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R587	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R588	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R589	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R590	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R591	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R592	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R593	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R594	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R597	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R598	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R599	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R601	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R602	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R603	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R604	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R605	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R606	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R607	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R608	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R620	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R623	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R625	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R628	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R638	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R641	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R642	NRSA63J-163X	MG RESISTOR	16kΩ 1/16W J	
R644	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R645	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R647	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R649	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
R650	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R651	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R652	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R653	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R654	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R655	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R656	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R661	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R662	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R663	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R664	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R665	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R666	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R667	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R668	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R669	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R670	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R671	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R672	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R673	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R674	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R675	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R676	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R677	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R678	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R679	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R680	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R681	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R682	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R683	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R684	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R685	QRJ149J-102	UNF C RESISTOR	1kΩ 1/4W J	
R687	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R694	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R695	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R696	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R700	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R701	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R702	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R703	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R704	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R705	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R706	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R718	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R719	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R720	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R722	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R723	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R724	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R725	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R726	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R727	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R728	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R729	QRK129J-5R6	UNF C RESISTOR	5.6Ω 1/2W J	
R730	QRK129J-5R6	UNF C RESISTOR	5.6Ω 1/2W J	
R731	QRK129J-220	UNF C RESISTOR	22Ω 1/2W J	
R732	QRK129J-220	UNF C RESISTOR	22Ω 1/2W J	
R733	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R735	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R736	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R737	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R738	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R739	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R740	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R741	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R751	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R771	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R781	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R782	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R791	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R792	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R793	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R794	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R795	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R796	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R797	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R798	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R905	QRE141J-274Y	C RESISTOR	270kΩ 1/4W J	
R907	NRS12BJ-471W	MG RESISTOR	470Ω 1/2W J	
R908	NRS12BJ-471W	MG RESISTOR	470Ω 1/2W J	
R917	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R933	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R934	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R937	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R938	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R945	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R946	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R951	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J	
R952	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J	
R953	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J	
R954	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L101	NQL79GM-100X	COIL	10uH M	
L601	QQR0621-002Z	FERRITE BEADS		
L602	QQR0621-002Z	FERRITE BEADS		
L605	NQLC8CM-560X	COIL	56uH M	
L606	NQLC8CM-560X	COIL	56uH M	
L901	NQL52EM-220X	COIL	22uH M	
L902	NQL52EM-220X	COIL	22uH M	
L903	NQL52EM-220X	COIL	22uH M	
L904	NQL52EM-220X	COIL	22uH M	
CN011	QGF0508C1-50W	CONNECTOR	FFC/FPC (1-50)	
CN012	QGF0508C1-40W	CONNECTOR	FFC/FPC (1-40)	
J401	QNZ0825-001	AV JACK	INPUT-1(S/V/L/R)	
J402	QNN0349-002	PIN JACK	INPUT-1(COMPONENT)	
J403	QNN0764-001	PIN JACK	INPUT-2(V/L/R)	

⚠Ref No.	Part No.	Part Name	Description	Local
J404	QNN0349-002	PIN JACK	INPUT-2(COMPONENT)	
J405	QNZ0825-001	AV JACK	INPUT-3(S/V/L/R)	
J406	QNN0765-001	PIN JACK	CENTER CHANNEL-IN	
J407	QNZ0825-001	AV JACK	MONITOR/REC-OUT	
J409	QNN0766-001	PIN JACK	AUDIO-OUT	
J410	QNZ0561-001	D CONNECTOR	PC-IN	
J411	QNS0001-001	3.5 JACK	AV COMPULINK III	
K601	NQR0499-002X	FERRITE BEADS		
K602	NQR0499-002X	FERRITE BEADS		
K603	NQR0499-002X	FERRITE BEADS		
K604	NQR0499-002X	FERRITE BEADS		

DRIVE P.W. BOARD ASS'Y (SRA-3001A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC3001	THC63LVD104AF	IC		
IC3002	THC63LVD104AF	IC		
IC3003	HY57V643220DTP7	IC		
IC3004	HY57V643220DTP7	IC		
IC3005	XC3S10004FGG456	IC		
IC3007	THC63LVDM83R-W	IC		
IC3008	THC63LVDF84B-W	IC		
IC3009	HD74ALVC1G00VSX	IC		
IC3101	ASI6100	IC		
IC3102	HY5DU281622ETPJ	IC		
IC3103	HY5DU281622ETPJ	IC		
IC3104	HY5DU281622ETPJ	IC		
IC3105	HY5DU281622ETPJ	IC		
IC3108	R1141Q331B-X	IC		
IC3109	RC4558D-X	IC		
IC3110	RC4558D-X	IC		
IC3111	RC4558D-X	IC		
IC3112	SC2595STRT-X	IC		
IC3113	SC2595STRT-X	IC		
IC3114	SC2595STRT-X	IC		
IC3301	ASI6100	IC		
IC3302	HY5DU281622ETPJ	IC		
IC3303	HY5DU281622ETPJ	IC		
IC3304	HY5DU281622ETPJ	IC		
IC3305	HY5DU281622ETPJ	IC		
IC3307	HD74ALVC1G00VSX	IC		
IC3308	R1141Q331B-X	IC		
IC3309	RC4558D-X	IC		
IC3310	RC4558D-X	IC		
IC3311	RC4558D-X	IC		
IC3312	SC2595STRT-X	IC		
IC3313	SC2595STRT-X	IC		
IC3314	SC2595STRT-X	IC		
IC3501	ASI6100	IC		
IC3502	HY5DU281622ETPJ	IC		
IC3503	HY5DU281622ETPJ	IC		
IC3504	HY5DU281622ETPJ	IC		
IC3505	HY5DU281622ETPJ	IC		
IC3508	R1141Q331B-X	IC		
IC3509	RC4558D-X	IC		
IC3510	RC4558D-X	IC		
IC3511	RC4558D-X	IC		
IC3512	SC2595STRT-X	IC		
IC3513	SC2595STRT-X	IC		
IC3514	SC2595STRT-X	IC		
IC3702	SN74LVC1G66V-X	IC		
IC3703	SN74LVC1G66V-X	IC		
IC3704	SN74AHCT1G08V-X	IC		
IC3751	CD74HC4053PW-X	IC		
IC3753	ATF512-56FH96	IC	(SERVICE)HD-56FH96	
IC3753	ATF512-61FH96	IC	(SERVICE)HD-61FH96	
IC3753	ATF512-70FH96	IC	(SERVICE)HD-70FH96	
IC3754	SN74LVC541APW-X	IC		
IC3901	SI-8511NVS-X	IC		
IC3902	PQ1CY1032Z-W	IC		
IC3903	BA80BC0WFP-X	IC		
IC3904	NJM79M08DL1A-X	IC		
IC3905	BA50BC0FP-X	IC		
IC3906	R1170H331B-X	IC		
IC3907	R1170H181B-X	IC		
IC3908	R1170H251B-X	IC		
IC3909	R1170H251B-X	IC		
IC3910	R1170H251B-X	IC		
IC3911	R1170H181B-X	IC		
IC3912	R1170H251B-X	IC		
IC3913	R1170H251B-X	IC		
IC3914	R1170H251B-X	IC		
IC3915	R1170H181B-X	IC		
IC3916	R1170H251B-X	IC		
IC3917	R1170H251B-X	IC		
IC3918	R1170H251B-X	IC		

⚠Ref No.	Part No.	Part Name	Description	Local
IC3930	R1170H251B-X	IC		
IC3931	MM1701CH-X	IC		
IC8001	LM2941S-W	IC		
IC8002	PQ20WZ11-X	IC		
IC8003	PQ20WZ11-X	IC		
IC8005	SN74HCT32APW-X	IC		
Q3001	2SK1374-X	MOS FET		
Q3002	2SK1374-X	MOS FET		
Q3701	UN2211-X	TRANSISTOR		
Q3753	2SK1374-X	MOS FET		
Q3754	2SK1374-X	MOS FET		
Q3901	TPCA8003-H-X	POWER MOS FET		
Q3902	UN2211-X	TRANSISTOR		
Q3903	UN2211-X	TRANSISTOR		
Q3905	UN2211-X	TRANSISTOR		
Q3906	UN2211-X	TRANSISTOR		
Q3907	IMD14-W	TRANSISTOR		
Q3909	UPA2708GR-X	POWER MOS FET		
Q3910	UN2211-X	TRANSISTOR		
Q8001	2SC3928A/QR/-X	TRANSISTOR		
Q8004	2SC3928A/QR/-X	TRANSISTOR		
Q8005	2SC3928A/QR/-X	TRANSISTOR		
D3102	MA8056/M/-X	Z DIODE		
D3302	MA8056/M/-X	Z DIODE		
D3502	MA8056/M/-X	Z DIODE		
D3701	STZ6.8N-X	Z DIODE		
D3702	STZ6.8N-X	Z DIODE		
D3703	STZ6.8N-X	Z DIODE		
D3704	STZ6.8N-X	Z DIODE		
D3706	STZ6.8N-X	Z DIODE		
D3707	STZ6.8N-X	Z DIODE		
D3751	STZ6.8N-X	Z DIODE		
D3752	STZ6.8N-X	Z DIODE		
D3901	MA111-X	SI DIODE		
D3902	EC30HA03L-X	SB DIODE		
D3931	EC30HA03L-X	SB DIODE		
D3932	EC30HA03L-X	SB DIODE		
D8001	STZ6.8N-X	Z DIODE		
D8002	STZ6.8N-X	Z DIODE		
D8003	STZ6.8N-X	Z DIODE		
C3001	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
C3002	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3003	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3004	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3005	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3006	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3007	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3008	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3009	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3010	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3011	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3012	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3013	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3014	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3015	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3016	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
C3017	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3018	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3019	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3020	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3021	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3022	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3023	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3024	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3025	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3026	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3027	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3028	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3029	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3030	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3031	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3032	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3033	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3034	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3035	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3036	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3037	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3038	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3039	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3040	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3041	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3042	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3043	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3044	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3045	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3046	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3047	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	

⚠Ref No.	Part No.	Part Name	Description	Local
C3048	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3049	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3050	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3051	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3052	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3053	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3054	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3055	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3056	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3057	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3058	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3059	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3060	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3061	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3062	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3063	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3064	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3065	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3066	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3067	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3068	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3069	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3070	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3071	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3072	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3073	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3074	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3075	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3076	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3077	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3078	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
C3079	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3080	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3081	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3082	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3083	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
C3084	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3085	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3086	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3087	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3088	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3089	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
C3090	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3091	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3092	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3093	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3094	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3095	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3096	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3097	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3101	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3102	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3103	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3104	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3105	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3106	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3107	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3108	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3109	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3110	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3111	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3112	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3113	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3114	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3115	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3116	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3117	NBE40GM-227X	TA E CAPACITOR	220uF 4V M	
C3118	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3119	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3120	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3121	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3122	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3123	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3124	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3125	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3126	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3127	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3128	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3129	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3130	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3131	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3132	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3133	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3134	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3135	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3136	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3137	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3138	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3139	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3140	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3141	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3142	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3143	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3144	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3145	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3146	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3147	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3148	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3149	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3150	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3151	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3152	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3153	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3154	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3155	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3156	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3157	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3158	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3159	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3160	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3161	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3162	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3163	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3164	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3165	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3166	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3167	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3168	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3169	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3170	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3171	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3172	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3173	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3174	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3175	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3176	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3177	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3178	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3179	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3180	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3181	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3182	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3183	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3184	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3185	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3186	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3187	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3188	NBE40GM-227X	TA E CAPACITOR	220uF 4V M	
C3189	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3190	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3191	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3192	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3193	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3194	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3195	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3196	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3197	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3198	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3199	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M	
C3200	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3201	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3202	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3203	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3204	NBE40GM-227X	TA E CAPACITOR	220uF 4V M	
C3205	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3206	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3207	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3208	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3209	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3210	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3211	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3212	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3213	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3214	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3219	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
C3220	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3221	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3222	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
C3223	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M	
C3224	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3225	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3226	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3227	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3228	NEZ0032-106X	E CAPACITOR	10uF	
C3229	NEZ0032-106X	E CAPACITOR	10uF	
C3230	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3231	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3232	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3233	NCB21AK-105X	C CAPACITOR	1uF 10V K	
C3234	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M	

⚠Ref No.	Part No.	Part Name	Description	Local
C3235	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3236	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3237	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3238	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M	
C3239	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3240	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3241	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3242	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M	
C3243	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3244	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3245	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3246	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3247	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3248	NBE20GM-336X	TA E CAPACITOR	33uF 4V M	
C3301	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3302	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3303	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3304	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3305	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3306	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3307	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3308	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3309	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3310	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3311	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3312	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3313	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3314	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3315	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3316	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3317	NBE40GM-227X	TA E CAPACITOR	220uF 4V M	
C3318	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3319	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3320	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3321	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3322	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3323	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3324	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3325	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3326	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3327	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3328	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3329	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3330	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3331	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3332	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3333	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3334	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3335	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3336	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3337	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3338	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3339	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3340	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3341	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3342	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3343	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3344	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3345	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3346	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3347	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3348	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3349	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3350	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3351	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3352	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3353	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3354	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3355	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3356	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3357	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3358	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3359	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3360	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3361	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3362	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3363	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3364	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3365	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3366	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3367	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3368	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3369	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3370	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3371	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3372	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3373	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3374	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3375	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3376	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	

⚠Ref No.	Part No.	Part Name	Description	Local
C3377	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3378	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3379	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3380	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3381	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3382	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3383	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3384	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3385	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3386	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3387	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3388	NBE40GM-227X	TA E CAPACITOR	220uF 4V M	
C3389	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3390	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3391	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3392	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3393	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3394	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3395	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3396	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3397	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3398	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3399	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M	
C3400	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3401	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3402	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3403	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3404	NBE40GM-227X	TA E CAPACITOR	220uF 4V M	
C3405	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3406	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3407	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3408	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3409	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3410	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3411	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3412	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3413	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3414	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3416	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C3417	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C3418	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3421	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3422	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
C3423	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M	
C3424	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3425	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3426	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3427	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3428	NEZ0032-106X	E CAPACITOR	10uF	
C3429	NEZ0032-106X	E CAPACITOR	10uF	
C3430	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3431	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3432	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3433	NCB21AK-105X	C CAPACITOR	1uF 10V K	
C3434	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M	
C3435	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3436	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3437	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3438	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M	
C3439	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3440	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3441	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3442	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M	
C3443	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3444	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3445	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3446	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3447	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3448	NBE20GM-336X	TA E CAPACITOR	33uF 4V M	
C3501	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3502	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3503	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3504	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3505	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3506	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3507	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3508	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3509	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3510	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3511	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3512	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3513	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3514	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3515	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3516	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3517	NBE40GM-227X	TA E CAPACITOR	220uF 4V M	
C3518	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3519	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3520	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3521	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	

⚠Ref No.	Part No.	Part Name	Description	Local
C3522	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3523	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3524	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3525	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3526	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3527	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3528	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3529	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3530	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3531	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3532	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3533	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3534	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3535	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3536	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3537	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3538	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3539	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3540	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3541	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3542	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3543	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3544	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3545	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3546	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3547	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3548	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3549	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3550	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3551	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3552	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3553	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3554	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3555	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3556	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3557	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3558	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3559	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3560	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3561	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3562	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3563	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3564	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3565	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3566	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3567	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3568	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3569	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3570	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3571	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3572	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3573	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3574	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3575	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3576	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3577	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3578	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3579	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3580	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3581	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3582	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3583	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3584	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3585	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3586	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3587	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3588	NBE40GM-227X	TA E CAPACITOR	220uF 4V M	
C3589	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3590	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3591	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3592	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3593	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3594	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3595	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3596	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3597	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3598	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3599	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M	
C3600	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3601	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3602	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3603	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3604	NBE40GM-227X	TA E CAPACITOR	220uF 4V M	
C3605	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3606	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3607	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3608	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3609	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3610	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3611	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3612	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3613	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3614	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3621	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3622	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
C3623	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M	
C3624	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3625	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3626	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3627	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3628	NEZ0032-106X	E CAPACITOR	10uF	
C3629	NEZ0032-106X	E CAPACITOR	10uF	
C3630	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3631	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3632	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3633	NCB21AK-105X	C CAPACITOR	1uF 10V K	
C3634	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M	
C3635	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3636	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3637	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3638	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M	
C3639	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3640	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3641	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3642	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M	
C3643	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3644	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3645	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3648	NBE20GM-336X	TA E CAPACITOR	33uF 4V M	
C3666	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3667	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3701	NEZ0032-476X	E CAPACITOR	47uF	
C3702	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3703	NEZ0032-106X	E CAPACITOR	10uF	
C3704	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	
C3705	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	
C3706	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3707	NEZ0032-106X	E CAPACITOR	10uF	
C3708	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3709	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3710	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3716	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C3729	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3751	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3752	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3754	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3801	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3802	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3803	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3804	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3805	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3806	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3807	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3808	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3809	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3810	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3811	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3812	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3813	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3814	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3815	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3816	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3817	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3818	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3819	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3820	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3821	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3822	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3823	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3824	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3825	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3826	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3827	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3828	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3829	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3830	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3831	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3832	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3833	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3834	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3835	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3836	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3837	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3838	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3839	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3840	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3841	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3842	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3843	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3844	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	

⚠Ref No.	Part No.	Part Name	Description	Local
C3845	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3901	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C3902	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3904	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C3905	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C3906	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C3907	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C3908	NCB31HK-272X	C CAPACITOR	2700pF 50V K	
C3909	NCB11AK-475X	C CAPACITOR	4.7uF 10V K	
C3910	NCB11AK-475X	C CAPACITOR	4.7uF 10V K	
C3911	NBZ0010-396X	SP E CAPACITOR	39uF 16V M	
C3914	NEX60GM-337X	E CAPACITOR	330uF 4V M	
C3915	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C3916	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C3917	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C3931	NBZ0010-396X	SP E CAPACITOR	39uF 16V M	
C3932	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C3933	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C3934	NEX61AM-127X	E CAPACITOR	120uF 10V M	
C3941	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C3942	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C3951	NEZ0032-476X	E CAPACITOR	47uF	
C3952	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3953	NEZ0032-476X	E CAPACITOR	47uF	
C3954	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3955	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C3956	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3958	NEZ0032-476X	E CAPACITOR	47uF	
C3959	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3960	NEZ0032-476X	E CAPACITOR	47uF	
C3961	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3965	NEZ0032-106X	E CAPACITOR	10uF	
C3966	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3967	NEZ0032-476X	E CAPACITOR	47uF	
C3968	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3969	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C3970	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3971	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3972	NBE50JM-107X	TA E CAPACITOR	100uF 6.3V M	
C3973	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3974	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C8001	NEZ0032-476X	E CAPACITOR	47uF	
C8002	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C8003	NEZ0032-476X	E CAPACITOR	47uF	
C8004	NEZ0032-476X	E CAPACITOR	47uF	
C8005	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C8008	NEZ0032-106X	E CAPACITOR	10uF	
C8009	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C8010	NEZ0032-476X	E CAPACITOR	47uF	
C8011	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C8018	NEZ0032-106X	E CAPACITOR	10uF	
C8019	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C8020	NEZ0032-476X	E CAPACITOR	47uF	
C8021	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C8031	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
CA3901	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M	
CA3902	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CA3903	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CA3904	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
CA3905	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CA3906	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M	
CA3907	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CA3908	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CA3909	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
CA3910	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CA3911	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M	
CA3912	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CA3913	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CA3914	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
CA3915	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CA3916	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M	
CA3917	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CA3918	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CA3919	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
CA3920	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CA3921	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M	
CA3922	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M	
CA3923	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CA3924	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CA3925	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
CA3926	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CA3927	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M	
CA3928	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CA3929	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CA3930	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
CA3931	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CA3932	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M	
CA3933	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CA3934	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CA3935	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	

⚠Ref No.	Part No.	Part Name	Description	Local
CA3936	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CA3937	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M	
CA3938	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CA3939	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CA3940	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
CA3941	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CA3942	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M	
CA3943	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M	
CA3944	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CA3945	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CA3946	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
CA3947	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CA3948	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M	
CA3949	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CA3950	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CA3951	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
CA3952	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CA3953	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M	
CA3954	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CA3955	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CA3956	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
CA3957	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CA3958	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M	
CA3959	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CA3960	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CA3961	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
CA3962	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CA3963	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M	
CA3964	NBE20GM-336X	TA E CAPACITOR	33uF 4V M	
CA3965	NBE20GM-336X	TA E CAPACITOR	33uF 4V M	
CA3966	NBE20GM-336X	TA E CAPACITOR	33uF 4V M	
CA3967	NBE20GM-336X	TA E CAPACITOR	33uF 4V M	
CA3968	NBE20GM-336X	TA E CAPACITOR	33uF 4V M	
CA3969	NBE20GM-336X	TA E CAPACITOR	33uF 4V M	
CA3980	NBE50JM-107X	TA E CAPACITOR	100uF 6.3V M	
CA3981	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CA3982	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M	
CA3983	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CA3984	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CA3985	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
CA3986	NBE50JM-107X	TA E CAPACITOR	100uF 6.3V M	
CA3987	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CA3988	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CA3989	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CA3990	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CA3991	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
R3001	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3002	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3003	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3004	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3005	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3006	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3007	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3008	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3009	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3010	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3011	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3012	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3013	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3014	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3015	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3016	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3018	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3019	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R3020	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R3021	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R3022	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R3023	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3024	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3025	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3026	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3028	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3029	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3030	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3031	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3032	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3033	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3034	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R3035	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3036	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3037	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3038	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3039	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3040	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3041	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3044	NRZ0040-100X	NET RESISTOR	10Ω 1/16W J x4	
R3045	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
R3047	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3048	NRSA63J-560X	MG RESISTOR	56Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R3049	NRSA63J-560X	MG RESISTOR	56Ω 1/16W J	
R3050	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3052	NRSA63J-560X	MG RESISTOR	56Ω 1/16W J	
R3054	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R3055	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3056	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3062	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3063	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3064	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3065	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3066	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3067	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3068	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3069	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3070	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3071	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3073	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3074	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3075	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3077	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3078	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3079	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3080	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3081	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3082	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R3084	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3085	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3086	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3087	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3088	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3090	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R3091	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R3092	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R3093	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3094	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
R3095	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
R3096	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
R3097	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R3101	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3104	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3105	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3106	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3107	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3108	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3109	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3110	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3111	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3112	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3113	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3114	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3115	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3116	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3117	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3118	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3119	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3120	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3121	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3122	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3123	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3124	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3125	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3127	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3128	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3129	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3130	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3131	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3132	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3134	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3135	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3136	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3138	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3139	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3141	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3142	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3143	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3144	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3145	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3147	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3148	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3150	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3151	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3152	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3153	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3154	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3155	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3156	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3157	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3158	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3159	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3160	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3161	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3162	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3163	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3164	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3165	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3166	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3167	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3168	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3169	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3170	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3171	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3172	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3173	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3176	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3177	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3178	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3179	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3180	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3181	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3182	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3183	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3184	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3185	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3186	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3187	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3188	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3189	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3190	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3191	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3192	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3193	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3194	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3195	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3196	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3197	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3199	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3200	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3201	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3202	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3203	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3204	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3205	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3206	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3207	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3208	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3210	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3211	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3215	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3217	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3219	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3221	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3229	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3232	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R3233	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R3234	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R3235	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R3236	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3237	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3238	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3239	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3241	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3242	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3246	NRVA63D-102X	CMF RESISTOR	1kΩ 1/16W D	
R3247	NRVA63D-202X	CMF RESISTOR	2kΩ 1/16W D	
R3248	NRVA63D-102X	CMF RESISTOR	1kΩ 1/16W D	
R3249	NRVA63D-202X	CMF RESISTOR	2kΩ 1/16W D	
R3252	NRVA63D-302X	CMF RESISTOR	3kΩ 1/16W D	
R3253	NRVA63D-102X	CMF RESISTOR	1kΩ 1/16W D	
R3254	NRVA63D-202X	CMF RESISTOR	2kΩ 1/16W D	
R3255	NRVA63D-102X	CMF RESISTOR	1kΩ 1/16W D	
R3256	NRVA63D-102X	CMF RESISTOR	1kΩ 1/16W D	
R3257	NRVA63D-202X	CMF RESISTOR	2kΩ 1/16W D	
R3258	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R3259	NRVA63D-102X	CMF RESISTOR	1kΩ 1/16W D	
R3260	NRVA63D-102X	CMF RESISTOR	1kΩ 1/16W D	
R3261	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3262	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3263	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3264	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3265	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3266	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3267	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3268	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3269	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3270	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3271	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3272	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3273	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3274	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3275	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R3276	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3277	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3278	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3279	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3280	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3282	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3283	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3284	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3285	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3286	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3288	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3289	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3290	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3291	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3292	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3294	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3295	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3296	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3297	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3298	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3301	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3304	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3305	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3306	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3307	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3308	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3309	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3310	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3311	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3312	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3313	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3314	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3315	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3316	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3317	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3318	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3319	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3320	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3321	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3322	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3323	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3324	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3325	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3327	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3328	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3329	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3330	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3331	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3332	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3334	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3335	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3336	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3338	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3339	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3341	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3342	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3343	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R3344	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3345	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3347	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R3348	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3350	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3351	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3352	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3353	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3354	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3355	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3356	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3357	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3358	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3359	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3360	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3361	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3362	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3363	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3364	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3365	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3366	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3367	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3368	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3369	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3370	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3371	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3372	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3373	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3376	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3377	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3378	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3379	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3380	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3381	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3382	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3383	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3384	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3385	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3386	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3387	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3388	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3389	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3390	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3391	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3392	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3393	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3394	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3395	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3396	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3397	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3399	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3400	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3401	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3402	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3403	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3404	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3405	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R3406	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3407	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3408	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3410	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3411	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3415	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3417	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3419	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3420	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3424	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3425	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R3426	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3430	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R3431	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R3432	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R3433	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R3434	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R3435	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R3436	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3437	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3438	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3439	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3441	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3442	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3446	NRVA63D-102X	CMF RESISTOR	1kΩ 1/16W D	
R3447	NRVA63D-202X	CMF RESISTOR	2kΩ 1/16W D	
R3448	NRVA63D-102X	CMF RESISTOR	1kΩ 1/16W D	
R3449	NRVA63D-202X	CMF RESISTOR	2kΩ 1/16W D	
R3452	NRVA63D-302X	CMF RESISTOR	3kΩ 1/16W D	
R3453	NRVA63D-102X	CMF RESISTOR	1kΩ 1/16W D	
R3454	NRVA63D-202X	CMF RESISTOR	2kΩ 1/16W D	
R3455	NRVA63D-102X	CMF RESISTOR	1kΩ 1/16W D	
R3456	NRVA63D-102X	CMF RESISTOR	1kΩ 1/16W D	
R3457	NRVA63D-202X	CMF RESISTOR	2kΩ 1/16W D	
R3458	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R3459	NRVA63D-102X	CMF RESISTOR	1kΩ 1/16W D	
R3460	NRVA63D-102X	CMF RESISTOR	1kΩ 1/16W D	
R3461	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3462	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3463	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3464	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3465	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3466	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3467	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3468	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3469	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3470	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3471	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3472	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3473	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3474	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3475	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3476	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3477	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3478	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3479	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3480	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3482	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3483	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3484	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3485	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3486	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3488	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3489	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3490	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3491	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R3492	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3494	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3495	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3496	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3497	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3498	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3504	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3505	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3506	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3507	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3508	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3509	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3510	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3511	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3512	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3513	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3514	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3515	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3516	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3517	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3518	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3519	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3520	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3521	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3522	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3523	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3524	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3525	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3527	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3528	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3529	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3530	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3531	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3532	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3534	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3535	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3536	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3538	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3539	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3541	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3542	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3543	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3544	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3546	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3547	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3548	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3550	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3551	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3552	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3553	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3554	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3555	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3556	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3557	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3558	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3559	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3560	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3561	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3562	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3563	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3564	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3565	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3566	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3567	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3568	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3569	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3570	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3571	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3572	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3573	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3576	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3577	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3578	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3579	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3580	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3581	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3582	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3583	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3584	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3585	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3586	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3587	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3588	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3589	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3590	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3591	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3592	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3593	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3594	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3595	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3596	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3597	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3599	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3600	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3601	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3602	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3603	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3604	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3605	NRSA63J-150X	MG RESISTOR	15Ω 1/16W J	
R3606	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3607	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3608	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3610	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3611	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3615	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3617	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3619	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3621	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3629	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3632	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R3633	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R3634	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R3635	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R3636	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3637	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3638	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3639	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3641	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3642	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3646	NRVA63D-102X	CMF RESISTOR	1kΩ 1/16W D	
R3647	NRVA63D-202X	CMF RESISTOR	2kΩ 1/16W D	
R3648	NRVA63D-102X	CMF RESISTOR	1kΩ 1/16W D	
R3649	NRVA63D-202X	CMF RESISTOR	2kΩ 1/16W D	
R3652	NRVA63D-302X	CMF RESISTOR	3kΩ 1/16W D	
R3653	NRVA63D-102X	CMF RESISTOR	1kΩ 1/16W D	
R3654	NRVA63D-202X	CMF RESISTOR	2kΩ 1/16W D	
R3655	NRVA63D-102X	CMF RESISTOR	1kΩ 1/16W D	
R3656	NRVA63D-102X	CMF RESISTOR	1kΩ 1/16W D	
R3657	NRVA63D-202X	CMF RESISTOR	2kΩ 1/16W D	
R3658	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R3659	NRVA63D-102X	CMF RESISTOR	1kΩ 1/16W D	
R3660	NRVA63D-102X	CMF RESISTOR	1kΩ 1/16W D	
R3661	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3674	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3675	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3676	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3677	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3678	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3679	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3680	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3682	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3683	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3684	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3685	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3686	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3688	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3689	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3690	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3691	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3692	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3694	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3695	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3696	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3697	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3698	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3701	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3702	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R3703	NRZ0040-472X	NET RESISTOR	4.7kΩ 1/16W J x4	
R3704	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R3705	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3706	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3707	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3708	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3709	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3710	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R3711	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3712	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3713	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3714	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3715	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3716	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3717	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3718	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3719	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3720	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3722	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R3723	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R3724	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3725	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R3726	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3727	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3728	NRZ0040-103X	NET RESISTOR	10kΩ 1/16W J x4	
R3729	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R3730	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3731	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3732	NRZ0040-103X	NET RESISTOR	10kΩ 1/16W J x4	
R3733	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R3734	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
R3735	NRZ0040-472X	NET RESISTOR	4.7kΩ 1/16W J x4	
R3736	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3737	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3738	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3739	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3740	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3741	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3742	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3743	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3752	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3753	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R3755	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3756	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R3757	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3758	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R3759	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R3760	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3761	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3762	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3763	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3765	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3801	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3802	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3803	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3804	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3805	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3806	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3807	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3808	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3809	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3810	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3811	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3812	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3815	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3816	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3819	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3820	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3823	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3824	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3827	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3828	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3831	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3832	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3835	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
R3836	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	
R3851	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3852	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3853	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3854	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3855	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3856	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3857	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3858	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3859	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3860	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3861	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3862	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3863	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3864	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3865	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3866	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3867	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3868	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3869	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3870	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3871	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3872	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3873	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3874	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3875	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3876	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3877	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3878	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3879	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3880	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3881	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3882	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3883	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3884	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3885	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3886	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R3887	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3888	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3889	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3890	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3891	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3892	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3893	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3894	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3895	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3896	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R3897	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3898	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
R3901	NRSA63J-1R0X	MG RESISTOR	1Ω 1/16W J	
R3902	NRSA63J-751X	MG RESISTOR	750Ω 1/16W J	
R3903	NRSA63D-272X	MG RESISTOR	2.7kΩ 1/16W D	
R3904	NRSA63D-202X	MG RESISTOR	2kΩ 1/16W D	
R3905	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R3906	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D	
R3908	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R3909	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3910	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R3911	NRSA63J-180X	MG RESISTOR	18Ω 1/16W J	
R3912	NRSA63J-1R0X	MG RESISTOR	1Ω 1/16W J	
R3913	NRZ0093-R010X	MP RESISTOR	0.01Ω	
R3914	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R3915	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R3916	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R3917	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R3918	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3919	NRSA63J-3R9X	MG RESISTOR	3.9Ω 1/16W J	
R3920	NRSA63J-560X	MG RESISTOR	56Ω 1/16W J	
R3921	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R3922	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3923	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R3924	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R3931	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3932	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3933	NRSA63D-122X	MG RESISTOR	1.2kΩ 1/16W D	
R3934	NRSA63D-822X	MG RESISTOR	8.2kΩ 1/16W D	
R3935	NRSA63D-332X	MG RESISTOR	3.3kΩ 1/16W D	
R3936	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R3937	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R3938	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R3939	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3940	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3941	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3942	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3943	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3944	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3945	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3946	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3947	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3948	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3949	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3950	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3951	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3953	NRSA63D-472X	MG RESISTOR	4.7kΩ 1/16W D	
R3954	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3971	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3981	NRS12BJ-102W	MG RESISTOR	1kΩ 1/2W J	
R3982	NRS12BJ-102W	MG RESISTOR	1kΩ 1/2W J	
R3983	NRS12BJ-471W	MG RESISTOR	470Ω 1/2W J	
R3985	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3987	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3990	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R3991	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3995	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R3996	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3997	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R8001	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R8002	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R8003	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D	
R8004	NRSA63D-681X	MG RESISTOR	680Ω 1/16W D	
R8005	NRSA63D-472X	MG RESISTOR	4.7kΩ 1/16W D	
R8006	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D	
R8014	NRSA63D-472X	MG RESISTOR	4.7kΩ 1/16W D	
R8015	NRSA63D-681X	MG RESISTOR	680Ω 1/16W D	
R8016	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D	
R8024	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D	
R8025	NRSA63D-681X	MG RESISTOR	680Ω 1/16W D	
R8026	NRSA63D-202X	MG RESISTOR	2kΩ 1/16W D	
R8031	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R8032	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R8033	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R8034	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R8035	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R8036	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R8041	NRZ0040-103X	NET RESISTOR	10kΩ 1/16W J x4	
R8042	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	

⚠Ref No.	Part No.	Part Name	Description	Local
L	WJW0031-001A-E	E-TWISTED ASSY		
L3901	NQLD4EM-3R3X	COIL	3.3uH M	
L3931	NQL63EM-101X	COIL	100uH M	
K3001	NQR0504-001X	EMI FILTER		
K3002	NQR0504-001X	EMI FILTER		
K3003	NQR0504-001X	EMI FILTER		
K3004	NQR0504-001X	EMI FILTER		
K3005	NQR0504-001X	EMI FILTER		
K3006	NQR0504-001X	EMI FILTER		
K3012	NQR0413-003X	FERRITE BEADS		
K3013	NQR0413-003X	FERRITE BEADS		
K3014	NQR0413-003X	FERRITE BEADS		
K3015	NQR0413-003X	FERRITE BEADS		
K3016	NQR0413-003X	FERRITE BEADS		
K3021	NQR0504-001X	EMI FILTER		
K3022	NQR0504-001X	EMI FILTER		
K3023	NQR0504-001X	EMI FILTER		
K3024	NQR0504-001X	EMI FILTER		
K3025	NQR0504-001X	EMI FILTER		
K3026	NQR0504-001X	EMI FILTER		
K3105	NQR0413-003X	FERRITE BEADS		
K3107	NQR0413-003X	FERRITE BEADS		
K3291	NQR0413-003X	FERRITE BEADS		
K3292	NQR0413-003X	FERRITE BEADS		
K3305	NQR0413-003X	FERRITE BEADS		
K3306	NQR0413-003X	FERRITE BEADS		
K3307	NQR0413-003X	FERRITE BEADS		
K3491	NQR0413-003X	FERRITE BEADS		
K3492	NQR0413-003X	FERRITE BEADS		
K3505	NQR0413-003X	FERRITE BEADS		
K3507	NQR0413-003X	FERRITE BEADS		
K3691	NQR0413-003X	FERRITE BEADS		
K3692	NQR0413-003X	FERRITE BEADS		
K3701	NQR0413-003X	FERRITE BEADS		
K3702	NQR0413-003X	FERRITE BEADS		
K3703	NQR0413-003X	FERRITE BEADS		
K3704	NQR0413-003X	FERRITE BEADS		
K3708	NQR0413-003X	FERRITE BEADS		
K3711	NQR0413-003X	FERRITE BEADS		
K3712	NQR0413-003X	FERRITE BEADS		
K3713	NQR0413-003X	FERRITE BEADS		
K3716	NQR0413-003X	FERRITE BEADS		
K3901	NQR0413-003X	FERRITE BEADS		
K3902	NQR0413-003X	FERRITE BEADS		
K3903	NQR0413-003X	FERRITE BEADS		
K3904	NQR0413-003X	FERRITE BEADS		
K3905	NQR0413-003X	FERRITE BEADS		
K3906	NQR0413-003X	FERRITE BEADS		
K3907	NQR0413-003X	FERRITE BEADS		
K3908	NQR0413-003X	FERRITE BEADS		
K3909	NQR0413-003X	FERRITE BEADS		
K3910	NQR0413-003X	FERRITE BEADS		
K3911	NQR0413-003X	FERRITE BEADS		
K3912	NQR0413-003X	FERRITE BEADS		
K3913	NQR0413-003X	FERRITE BEADS		
K3914	NQR0413-003X	FERRITE BEADS		
K3915	NQR0413-003X	FERRITE BEADS		
K3916	NQR0413-003X	FERRITE BEADS		
K3917	NQR0413-003X	FERRITE BEADS		
K3918	NQR0413-003X	FERRITE BEADS		
K3919	NQR0413-003X	FERRITE BEADS		
K3920	NQR0413-003X	FERRITE BEADS		
K3921	NQR0413-003X	FERRITE BEADS		
K3922	NQR0413-003X	FERRITE BEADS		
K3950	NQR0413-003X	FERRITE BEADS		
K3951	NQR0413-003X	FERRITE BEADS		
K3952	NQR0413-003X	FERRITE BEADS		
X3001	NAX0587-001X	CXO	54.0000MHz	
X3301	NAX0673-001X	CRYSTAL		
X3701	NAX0713-001X	CRYSTAL		

SD CARD P.W. BOARD ASS'Y (SRA-8501A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC1001	AU9331C23-MAS-X	IC		
Q1001	2SA1576A/QRS/-X	TRANSISTOR		
C1001	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C1002	NDC31HJ-270X	C CAPACITOR	27pF 50V J	
C1003	NDC31HJ-270X	C CAPACITOR	27pF 50V J	
C1004	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
C1005	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
C1006	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C1007	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C1008	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1009	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1010	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1011	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C1012	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C1013	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1014	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1015	NEHL0GM-227X	E CAPACITOR	220uF 4V M	
C1016	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
R1001	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R1003	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1004	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1005	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1006	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R1007	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1008	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R1009	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1010	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1014	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R1015	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RA1001	NRZ0040-103X	NET RESISTOR	10kΩ 1/16W J x4	
RA1002	NRZ0040-473X	NET RESISTOR	47kΩ 1/16W J x4	
L1001	NQR0603-002X	EMI FILTER		
K1001	NQR0413-002X	FERRITE BEADS		
K1002	NQR0413-002X	FERRITE BEADS		
LC1001	NQR0483-006X	EMI FILTER		
X1001	NAX0812-001X	CRYSTAL		

REMOCON P.W. BOARD ASS'Y (SRA-8001A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC0821	GP1UM281QKVF	IR DETECT UNIT		
D0821	UDZS6.8B-X	Z DIODE		
C0821	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C0822	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
R0821	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R0822	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0823	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	

THERMO P.W. BOARD ASS'Y (SRA-8201A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC2001	LM75BIM-5-X	IC		
D2001	STZ6.8N-X	Z DIODE		
C2002	NCB21CK-105X	C CAPACITOR	1uF 16V K	
R2001	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2002	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2003	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
K2001	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	

IRIS P.W. BOARD ASS'Y (SRA-8301A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC5001	NJM4556AM-XE	IC		
IC5002	NJM2904M-W	IC		
IC5003	PQ20WZ11-X	IC		
IC5005	PCF8591T/2-X	IC(DIGITAL)		
Q5001	2SC3928A/QR/-X	TRANSISTOR		
D5001	STZ6.8N-X	Z DIODE		
D5002	STZ6.8N-X	Z DIODE		
D5003	STZ6.8N-X	Z DIODE		
C5001	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C5002	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C5003	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C5004	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	

⚠Ref No.	Part No.	Part Name	Description	Local
C5005	NEZ0032-106X	E CAPACITOR	10uF	
C5006	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C5007	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C5008	NEZ0032-476X	E CAPACITOR	47uF	
C5013	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C5014	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C5015	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C5016	NEZ0032-106X	E CAPACITOR	10uF	
C5017	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
R5001	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J	
R5002	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J	
R5003	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R5004	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R5005	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R5006	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5007	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R5008	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R5009	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5010	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R5011	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R5012	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J	
R5013	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J	
R5014	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5015	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R5016	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J	
R5017	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R5018	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R5019	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R5020	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R5021	NRSA63J-202X	MG RESISTOR	2kΩ 1/16W J	
R5022	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R5027	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R5031	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R5034	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R5035	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R5036	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R5038	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R5039	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R5043	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R5045	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R5046	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R5047	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R5048	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R5049	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R5050	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R5051	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R5052	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R5053	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R5055	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R5056	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R5059	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R5060	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R5062	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R5063	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R5064	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R5065	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R5066	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R5067	NRSA63J-301X	MG RESISTOR	300Ω 1/16W J	
R5068	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R5070	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R5071	NRSA63J-204X	MG RESISTOR	200kΩ 1/16W J	
R5072	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R5073	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R5074	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	

POWER P.W. BOARD ASS'Y (SRA-9002A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC9141	BA50BC0FP-X	IC		
IC9211	MC33262D-X	IC		
IC9301	BAJ5CC0FP-X	IC		
IC9501	STR-W6754-F5	IC		
IC9701	PQ120RDA1SZ	IC		
IC9721	PQ1CG2032FZ	IC		
IC9741	PQ1CG2032FZ	IC		
Q9021	2SC3928A/QR/-X	TRANSISTOR		
Q9211	2SK2698-LB	POWER MOS FET		
Q9212	2SC3928A/QR/-X	TRANSISTOR		
Q9213	IMD3A-W	TRANSISTOR		
Q9215	2SC3928A/QR/-X	TRANSISTOR		
Q9241	UN2211-X	TRANSISTOR		
Q9251	UN2213-X	DIGI TRANSISTOR		
Q9252	UN2213-X	DIGI TRANSISTOR		
Q9253	UN2211-X	TRANSISTOR		
Q9254	UN2211-X	TRANSISTOR		
Q9255	2SC3928A/QR/-X	TRANSISTOR		
Q9281	2SA1530A/QR/-X	TRANSISTOR		
Q9282	2SC3928A/QR/-X	TRANSISTOR		
Q9283	2SC3928A/QR/-X	TRANSISTOR		
Q9284	UN2211-X	TRANSISTOR		
Q9821	2SC3928A/QR/-X	TRANSISTOR		
Q9831	2SC3928A/QR/-X	TRANSISTOR		
Q9851	2SA1530A/QR/-X	TRANSISTOR		
Q9852	UN2213-X	DIGI TRANSISTOR		
Q9853	UN2213-X	DIGI TRANSISTOR		
Q9861	2SC3928A/QR/-X	TRANSISTOR		
D9001	UDZS4.7B-X	Z DIODE		
D9021	1SS355-X	SI DIODE		
D9111	S1WB/A/60-4101	BRIDGE DIODE		
⚠D9201	RBV-606	BRIDGE DIODE		
D9202	1SS355-X	SI DIODE		
D9211	YG972S6R	SI DIODE		
D9213	1SS355-X	SI DIODE		
D9214	1SS355-X	SI DIODE		
D9251	UDZS6.8B-X	Z DIODE		
D9252	1SS355-X	SI DIODE		
D9253	1SS355-X	SI DIODE		
D9254	D1FL20U-X	SI DIODE		
D9281	UDZS2.4B-X	Z DIODE		
D9282	1SS355-X	SI DIODE		
D9301	D1FS4-X	SB DIODE		
D9501	SARS01-T2	SI DIODE		
D9502	SARS01-T2	SI DIODE		
D9503	FR105GT-T3	SI DIODE		
D9504	D1FS4-X	SB DIODE		
D9505	MTZJ33B-T2	Z DIODE		
D9506	D1FL20U-X	SI DIODE		
D9507	1SS355-X	SI DIODE		
D9510	1SS355-X	SI DIODE		
D9511	D1FS4-X	SB DIODE		
D9512	D1FL20U-X	SI DIODE		
D9514	MTZJ13B-T2	Z DIODE		
D9551	HER202G-FL	SI DIODE		
D9552	HER202G-FL	SI DIODE		
D9553	FME-220A	SB DIODE		
D9554	FR105GT-T3	SI DIODE		
D9555	MTZJ15B-T2	Z DIODE		
D9556	MTZJ16C-T2	Z DIODE		
D9557	FR105GT-T3	SI DIODE		
D9601	UTCTL431-T	IC		
D9701	D1FS4-X	SB DIODE		
D9702	1SS355-X	SI DIODE		
D9721	EC30HA03L-X	SB DIODE		
D9722	EC30HA03L-X	SB DIODE		
D9723	MTZJ11B-T2	Z DIODE		
D9741	EC30HA03L-X	SB DIODE		
D9742	EC30HA03L-X	SB DIODE		
D9743	MTZJ6.8B-T2	Z DIODE		
D9821	1SS355-X	SI DIODE		
D9831	1SS355-X	SI DIODE		
D9832	UDZS5.6B-X	Z DIODE	1.5kΩ 1/10W J	
D9851	UDZS5.1B-X	Z DIODE		
D9852	1SS355-X	SI DIODE		
D9861	1SS355-X	SI DIODE		
D9862	1SS355-X	SI DIODE		
⚠C9001	QFZ9072-105	MM CAPACITOR	1uF AC250V K	
⚠C9002	QFZ9072-105	MM CAPACITOR	1uF AC250V K	
⚠C9011	QCZ9079-102	C CAPACITOR	1000pF AC250V M	
⚠C9013	QCZ9079-102	C CAPACITOR	1000pF AC250V M	
⚠C9101	QCZ9078-472	C CAPACITOR	4700pF AC250V M	
⚠C9102	QCZ9078-472	C CAPACITOR	4700pF AC250V M	
⚠C9103	QCZ9078-472	C CAPACITOR	4700pF AC250V M	
C9111	QEHQ2GM-226	E CAPACITOR	22uF 400V M	
C9112	QEHR1HM-105Z	E CAPACITOR	1uF 50V M	
C9141	QECR1CM-477Z	E CAPACITOR	470uF 16V M	
C9142	QEHR1AM-337Z	E CAPACITOR	330uF 10V M	
C9143	QEHR1CM-107Z	E CAPACITOR	100uF 16V M	
⚠C9191	QCZ9079-222	C CAPACITOR	2200pF AC250V M	
⚠C9193	QCZ9079-102	C CAPACITOR	1000pF AC250V M	
⚠C9201	QCZ9078-222	C CAPACITOR	2200pF AC250V M	
⚠C9202	QCZ9078-222	C CAPACITOR	2200pF AC250V M	
⚠C9203	QCZ9078-222	C CAPACITOR	2200pF AC250V M	
⚠C9204	QCZ9078-222	C CAPACITOR	2200pF AC250V M	
C9211	QFZ0213-155	MM CAPACITOR	1.5uF 400V K	
C9212	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9213	NCB21CK-684X	C CAPACITOR	0.68uF 16V K	
C9214	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C9215	QEHR1VM-476Z	E CAPACITOR	47uF 35V M	
C9216	QEZ0771-227	E CAPACITOR	220uF	
C9217	QCZ0340-471	C CAPACITOR	470pF 2kV K	
C9218	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9219	QCZ0340-471	C CAPACITOR	470pF 2kV K	

⚠Ref No.	Part No.	Part Name	Description	Local
C9221	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C9241	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9251	QEHR1EM-107Z	E CAPACITOR	100uF 25V M	
C9252	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	
C9281	QEHR1HM-226Z	E CAPACITOR	22uF 50V M	
C9301	QEHR1EM-107Z	E CAPACITOR	100uF 25V M	
C9302	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C9303	NCF11EZ-105X	C CAPACITOR	1uF 25V Z	
C9501	QFP32JK-332	PP CAPACITOR	3300pF 630V K	
C9503	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
C9504	QEHR1VM-476Z	E CAPACITOR	47uF 35V M	
C9505	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C9506	QEHR1HM-105Z	E CAPACITOR	1uF 50V M	
C9507	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C9508	QCZ0340-471	C CAPACITOR	470pF 2kV K	
C9510	QEHR1HM-107Z	E CAPACITOR	100uF 50V M	
C9511	QEHR1HM-107Z	E CAPACITOR	100uF 50V M	
C9512	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9555	QECQ1EM-188	E CAPACITOR	1800uF 25V M	
C9556	QECQ1EM-188	E CAPACITOR	1800uF 25V M	
C9557	QECQ1EM-188	E CAPACITOR	1800uF 25V M	
C9559	QEHR2AM-106Z	E CAPACITOR	10uF 100V M	
C9560	QEHR1HM-105Z	E CAPACITOR	1uF 50V M	
C9562	QEHR1EM-477Z	E CAPACITOR	470uF 25V M	
C9563	QEHR1VM-108Z	E CAPACITOR	1000uF 35V M	
C9564	QEHR1VM-108Z	E CAPACITOR	1000uF 35V M	
C9568	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9569	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9603	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C9701	QEHR1HM-106Z	E CAPACITOR	10uF 50V M	
C9702	QEHR1CM-107Z	E CAPACITOR	100uF 16V M	
C9721	QEHR1EM-477Z	E CAPACITOR	470uF 25V M	
C9722	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C9723	QEZ0255-128	E CAPACITOR	1200uF 16V M	
C9741	QEHR1EM-477Z	E CAPACITOR	470uF 25V M	
C9742	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C9743	QECR1AM-128Z	E CAPACITOR	1200uF 10V M	
C9831	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C9851	QEHR1CM-107Z	E CAPACITOR	100uF 16V M	
C9852	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C9871	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9872	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9873	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9876	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9877	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9878	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9879	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9880	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9881	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9882	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9883	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9884	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9895	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9902	QCB32HK-102Z	C CAPACITOR	1000pF 500V K	
⚠R9001	QRZ9046-105Z	C RESISTOR	1MΩ 1/2W K	
R9003	QRE121J-473Y	C RESISTOR	47kΩ 1/2W J	
R9004	QRE121J-473Y	C RESISTOR	47kΩ 1/2W J	
R9021	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R9022	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
⚠R9101	QRZ0216-4R7	UNF WW RESISTOR	4.7Ω 7W K	
R9148	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
⚠R9191	QRZ9046-685Z	C RESISTOR	6.8MΩ 1/2W K	
⚠R9201	QRZ0121-200	UNF WW RESISTOR	20Ω 5W J	
R9203	QRG01GJ-221	OMF RESISTOR	220Ω 1W J	
R9211	NRS12BJ-474W	MG RESISTOR	470kΩ 1/2W J	
R9212	NRS12BJ-474W	MG RESISTOR	470kΩ 1/2W J	
R9213	NRS12BJ-334W	MG RESISTOR	330kΩ 1/2W J	
R9214	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R9215	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R9216	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R9217	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R9218	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9219	NRS12BJ-223W	MG RESISTOR	22kΩ 1/2W J	
R9220	QRM059J-R22	MP RESISTOR	0.22Ω 5W J	
R9221	QRM059J-R22	MP RESISTOR	0.22Ω 5W J	
R9222	NRS12BJ-334W	MG RESISTOR	330kΩ 1/2W J	
R9223	NRS12BJ-334W	MG RESISTOR	330kΩ 1/2W J	
R9224	NRS12BJ-394W	MG RESISTOR	390kΩ 1/2W J	
R9225	NRS12BJ-334W	MG RESISTOR	330kΩ 1/2W J	
R9226	NRS12BJ-334W	MG RESISTOR	330kΩ 1/2W J	
R9227	NRS12BJ-394W	MG RESISTOR	390kΩ 1/2W J	
R9228	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9233	NRS12BJ-474W	MG RESISTOR	470kΩ 1/2W J	
R9236	NRS12BJ-474W	MG RESISTOR	470kΩ 1/2W J	
R9237	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9241	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R9243	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R9244	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R9251	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9253	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R9254	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9255	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R9256	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R9257	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R9258	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R9259	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9281	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R9282	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R9283	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R9284	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R9285	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R9287	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9288	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R9289	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R9290	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R9291	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R9292	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R9301	NRS12BJ-122W	MG RESISTOR	1.2kΩ 1/2W J	
R9503	QRE121J-394Y	C RESISTOR	390kΩ 1/2W J	
R9504	QRE121J-394Y	C RESISTOR	390kΩ 1/2W J	
R9505	QRL039J-220	OMF RESISTOR	22Ω 3W J	
⚠R9506	QRZ9017-120	FUSI RESISTOR	12Ω 1/4W J	
R9507	NRS12BJ-100W	MG RESISTOR	10Ω 1/2W J	
R9508	NRS12BJ-122W	MG RESISTOR	1.2kΩ 1/2W J	
R9510	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9511	QRK126J-101X	UNF C RESISTOR	100Ω 1/2W J	
R9512	QRX01GJ-R33	MF RESISTOR	0.33Ω 1W J	
R9514	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
⚠R9515	QRZ9009-4R7	FUSI RESISTOR	4.7Ω 1/2W J	
R9516	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R9520	QRL029J-223	OMF RESISTOR	22kΩ 2W J	
R9556	QRG01GJ-102	OMF RESISTOR	1kΩ 1W J	
R9557	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J	
R9562	QRL029J-220	OMF RESISTOR	22Ω 2W J	
R9564	NRS12BJ-0R0W	MG RESISTOR	0Ω 1/2W J	
R9565	NRS12BJ-0R0W	MG RESISTOR	0Ω 1/2W J	
R9601	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9602	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9605	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R9606	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9607	NRSA63D-272X	MG RESISTOR	2.7kΩ 1/16W D	
R9608	NRSA63D-183X	MG RESISTOR	18kΩ 1/16W D	
R9701	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9721	NRSA63D-563X	MG RESISTOR	56kΩ 1/16W D	
R9722	NRSA63D-152X	MG RESISTOR	1.5kΩ 1/16W D	
R9723	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9724	NRSA63D-153X	MG RESISTOR	15kΩ 1/16W D	
R9741	NRSA63D-333X	MG RESISTOR	33kΩ 1/16W D	
R9742	NRSA63D-302X	MG RESISTOR	3kΩ 1/16W D	
R9743	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9744	NRSA63D-153X	MG RESISTOR	15kΩ 1/16W D	
R9821	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R9822	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R9823	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9831	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R9832	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R9833	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9834	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R9851	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9852	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R9853	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R9854	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R9855	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9861	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9862	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9863	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R9864	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R9865	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R9866	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9871	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9873	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9877	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9878	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L9141	QQL26AK-470Z	CHOKE COIL	47uH K	
⚠L9202	QQR1468-001	CHOKE COIL		
L9551	QQL26AM-3R3Z	CHOKE COIL	3.3uH M	
L9552	QQL26AM-3R3Z	CHOKE COIL	3.3uH M	
L9553	QQL26AM-3R3Z	CHOKE COIL	3.3uH M	
L9721	QQR1401-001	CHOKE COIL		
L9741	QQR1401-001	CHOKE COIL		
⚠T9121	QAL0724-001	POWER TRANSF		
⚠T9501	QQS0365-001	SW TRANSF		
⚠CP9121	QMFZ052-2R0-E	FUSE	2A AC250V	
⚠CP9211	QMFZ043-5R0Z-J1	FUSE	5A AC250V	
⚠CP9554	ICP-N50-T	IC PROTECTOR	2.0A	
⚠CP9555	ICP-N50-T	IC PROTECTOR	2.0A	
⚠CP9556	ICP-N70-T	IC PROTECTOR	2.5A	

⚠Ref No.	Part No.	Part Name	Description	Local
⚠CP9557	ICP-N70-T	IC PROTECTOR	2.5A	
⚠F9001	QMF5AD2-6R3-J1	FUSE	6.3A AC250V	
K9111	NQR0413-003X	FERRITE BEADS		
K9211	QQR0621-002Z	FERRITE BEADS		
K9212	QQR0621-002Z	FERRITE BEADS		
K9501	QQR0621-002Z	FERRITE BEADS		
K9502	QQR0621-002Z	FERRITE BEADS		
K9551	QQR0621-002Z	FERRITE BEADS		
K9552	QQR0621-002Z	FERRITE BEADS		
⚠LF9001	QQR1542-001	LINE FILTER		
⚠LF9002	QQR1466-001	LINE FILTER		
⚠LF9003	QQR1467-001	LINE FILTER		
⚠PC9001	PS2581AL1/QW/	PHOTO COUPLER		
⚠PC9241	PS2581AL1/QW/	PHOTO COUPLER		
⚠PC9281	PS2581AL1/QW/	PHOTO COUPLER		
⚠PC9501	PS2581AL1/QW/	PHOTO COUPLER		
⚠RY9021	QSK0162-001	RELAY		
⚠RY9201	QSK0163-001	RELAY		
⚠VA9001	QAF0060-621	VARISTOR	620V	

DIGITAL P.W. BOARD ASS'Y (SRA0D003A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC6001	JCC5060	IC		
IC6002	SN74LVC1G08V-X	IC		
IC6011	SN74CBQ16211G-X	IC		
IC6012	SN74CBQ3306AU-X	IC		
IC6013	SN74CBQ3306AU-X	IC		
IC6101	EDD1232AAFA-6B	IC		
IC6102	LP2996MR-X	IC		
IC6250	UPC5702GS-027-X	IC		
IC6251	R1170H331B-X	IC		
IC6401	ISL98001CQZ-140	IC		
IC6402	R1170H331B-X	IC		
IC6501	THC63LVD1023	IC		
IC6724	S-80928CLNB-G-W	IC		
IC7033	CD74HC4094PW-X	IC		
IC7036	ADC081S021CIS-X	IC		
IC7203	M12L16161A-7TG	IC		
IC7204	S-80928CLNB-G-W	IC		
IC7205	SN74LV00APW-X	IC		
IC7602	ATF16-56FH96	IC	(SERVICE)	
IC7603	SN74AHCT1G08V-X	IC		
IC7604	SN74LVC1G04V-X	IC		
IC7605	MM1673XN-X	IC		
IC7606	MM1673XN-X	IC		
IC7607	ICL3221CAZ-X	IC		
IC9001	MP2263DN-C053-X	IC		
IC9101	MM1662FT-X	IC		
IC9201	MP2263DN-C053-X	IC		
IC9301	MM1701CH-X	IC		
Q6201	2SA1530A/QR/-X	TRANSISTOR		
Q6202	2SA1530A/QR/-X	TRANSISTOR		
Q6203	2SA1022/BC/-X	TRANSISTOR		
Q6204	2SA1022/BC/-X	TRANSISTOR		
Q6205	2SA1022/BC/-X	TRANSISTOR		
Q6206	2SA1022/BC/-X	TRANSISTOR		
Q6211	2SC3837K/NP/-X	TRANSISTOR		
Q6212	2SC3837K/NP/-X	TRANSISTOR		
Q6213	2SC3837K/NP/-X	TRANSISTOR		
Q6214	2SC3837K/NP/-X	TRANSISTOR		
Q6250	2SC3928A/QR/-X	TRANSISTOR		
Q6251	2SC3928A/QR/-X	TRANSISTOR		
Q7030	UN2213-X	DIGI TRANSISTOR		
Q7032	UN2113-X	TRANSISTOR		
Q7033	UN2113-X	TRANSISTOR		
Q7034	UN2113-X	TRANSISTOR		
Q7035	UN2113-X	TRANSISTOR		
Q7201	2SC3928A/QR/-X	TRANSISTOR		
Q7501	UN2213-X	DIGI TRANSISTOR		
Q9501	UN2213-X	DIGI TRANSISTOR		
Q9502	2SC3928A/QR/-X	TRANSISTOR		
Q9503	2SC3928A/QR/-X	TRANSISTOR		
D6052	1SS355-X	SI DIODE		
D7201	RB501V-40-X	SB DIODE		
D7501	1SS355-X	SI DIODE		
D7502	1SS355-X	SI DIODE		
D7601	1SS355-X	SI DIODE		
D7604	MA8120-X	Z DIODE		
D7605	MA8120-X	Z DIODE		
D7606	MA8120-X	Z DIODE		
D7607	MA8120-X	Z DIODE		
D9001	EC30HA03L-X	SB DIODE		
D9002	EC30HA03L-X	SB DIODE		
D9003	PTZ3.9B-X	Z DIODE		
D9201	EC30HA03L-X	SB DIODE		
D9202	EC30HA03L-X	SB DIODE		
D9203	PTZ3.9B-X	Z DIODE		
D9501	1SS355-X	SI DIODE		
D9502	1SS355-X	SI DIODE		
C6002	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6031	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6051	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	
C6052	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C6053	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C6054	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6055	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6101	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C6103	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6107	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6109	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6111	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6112	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6113	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6114	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6116	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6117	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C6118	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6119	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6121	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6122	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M	
C6123	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6124	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M	
C6125	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6126	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C6128	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C6130	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C6132	NEHL1EM-226X	E CAPACITOR	22uF 25V M	
C6133	NCB31CK-154X	C CAPACITOR	0.15uF 16V K	
C6134	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6135	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6139	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6217	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6218	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6236	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6237	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6238	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6239	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6241	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6242	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C6243	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6244	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C6245	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6246	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C6247	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6248	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C6249	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C6250	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6251	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6252	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6253	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6254	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6255	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6260	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C6261	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C6262	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C6263	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C6268	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6270	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6271	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6272	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6273	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6274	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6276	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6277	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6278	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6279	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6280	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6282	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6283	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6284	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6285	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6286	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6288	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6289	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6290	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6291	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6293	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6294	NBZ0007-107X	SP E CAPACITOR	100uF 4V M	
C6295	NBZ0007-107X	SP E CAPACITOR	100uF 4V M	
C6296	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6297	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6298	NCB31HK-102X	C CAPACITOR	1000pF 50V K	

⚠Ref No.	Part No.	Part Name	Description	Local
C6402	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6403	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6406	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6409	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6410	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6411	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6412	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6413	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6414	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6415	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C6416	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6417	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6418	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6419	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6420	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6422	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6423	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6424	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6425	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6428	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6429	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6430	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6431	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6432	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6433	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6434	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6435	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6436	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6437	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6438	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6439	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6440	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6441	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6501	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6502	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6503	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6504	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6505	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6506	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6507	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6508	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6509	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6510	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6511	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6512	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6513	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6514	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6515	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6520	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6571	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C6601	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6602	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6603	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6610	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6611	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6612	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6613	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6614	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6615	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6616	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6617	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6618	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6619	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6620	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6621	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6622	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6623	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6624	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6625	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6626	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6627	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6628	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6629	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6630	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6631	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6632	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6633	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6634	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6635	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6636	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6637	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6638	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6639	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6640	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6641	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6642	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6643	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6644	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6645	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6654	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	

⚠Ref No.	Part No.	Part Name	Description	Local
C6656	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6657	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6658	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6659	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6660	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6661	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6677	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6678	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6679	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6680	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6681	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6682	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6683	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6684	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6685	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6686	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6687	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6688	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6689	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6690	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6691	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6692	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6693	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6694	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6695	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6696	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6697	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6698	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6699	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6701	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C6723	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C6724	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C6901	NBZ0007-107X	SP E CAPACITOR	100uF 4V M	
C6902	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6903	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6904	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6905	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6906	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6907	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6908	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6909	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6910	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6911	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6912	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6913	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6914	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6915	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6916	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6917	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6918	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6919	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6921	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6922	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6923	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6924	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6925	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6926	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6927	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6928	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7039	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C7044	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7051	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7052	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7053	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7054	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7055	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7056	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7057	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7058	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7059	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7060	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7061	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7062	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7063	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7064	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7065	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7066	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7067	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7068	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7073	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7202	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7203	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7204	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7205	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7206	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7207	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7208	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7209	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7211	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C7212	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	

⚠Ref No.	Part No.	Part Name	Description	Local
C7213	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7214	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C7215	QCS31HJ-330Z	C CAPACITOR	33pF 50V J	
C7501	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7504	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C7505	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C7506	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C7507	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C7508	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C7510	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C7511	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C7601	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C7602	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7603	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7604	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C7605	NCB31HK-221X	C CAPACITOR	220pF 50V K	
C7606	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C7607	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C7608	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7609	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C7610	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C7611	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C7612	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C7615	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7616	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7617	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7618	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C7619	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C7620	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C7621	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C7622	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7623	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7624	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7625	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7626	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7629	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C7630	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7631	NCB31AK-224X	C CAPACITOR	0.22uF 10V K	
C7632	NCB31AK-224X	C CAPACITOR	0.22uF 10V K	
C9001	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C9002	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	
C9003	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C9004	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9005	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9006	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C9007	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9010	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9101	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	
C9103	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C9201	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C9202	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	
C9203	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C9204	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9205	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9206	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C9207	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	
C9208	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9301	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9302	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	
C9303	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9304	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	
C9313	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9314	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9501	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C9502	NCB31CK-105X	C CAPACITOR	1uF 16V K	
R6002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6009	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6014	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6017	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6018	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6019	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6020	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6055	NRS181J-0R0X	MG RESISTOR	0Ω 1/8W J	
R6057	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6058	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6059	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6060	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6061	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6064	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6065	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6066	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6068	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
R6072	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6073	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6074	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6075	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R6101	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6102	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6103	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6104	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6105	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6106	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6107	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R6108	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R6109	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6110	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6111	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6112	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6113	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6114	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6115	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6116	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6117	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6118	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6119	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6120	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6121	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6122	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6127	NRSA63J-1R5X	MG RESISTOR	1.5Ω 1/16W J	
R6141	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6142	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6201	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6202	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6203	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6204	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6207	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6209	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6214	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6215	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6216	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6217	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6223	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6224	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6225	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6226	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6230	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6231	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6232	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6233	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6235	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6236	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R6238	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6239	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R6241	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6242	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R6244	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6245	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R6248	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6249	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R6251	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6252	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6253	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6254	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R6255	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R6256	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6257	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6258	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R6259	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R6260	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6261	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6262	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R6263	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R6264	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6265	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6266	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R6267	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R6268	NRSA63D-242X	MG RESISTOR	2.4kΩ 1/16W D	
R6269	NRSA63D-242X	MG RESISTOR	2.4kΩ 1/16W D	
R6270	NRSA63D-242X	MG RESISTOR	2.4kΩ 1/16W D	
R6271	NRSA63D-242X	MG RESISTOR	2.4kΩ 1/16W D	
R6273	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6274	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6275	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6276	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6279	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6280	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R6281	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6282	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R6283	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6284	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6285	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6286	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R6287	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R6288	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R6289	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6291	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R6292	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6294	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6295	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6296	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6297	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6298	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6299	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6401	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6402	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6403	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R6404	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6405	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6408	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6409	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6410	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R6411	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R6412	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6414	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6415	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6416	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6417	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6419	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R6421	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R6423	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6424	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R6425	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6426	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6427	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6428	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6501	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6502	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6503	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6505	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6508	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6509	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6511	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6514	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6568	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6571	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6572	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6573	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6575	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6576	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6592	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6602	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6605	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6607	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6609	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6611	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6707	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6712	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6713	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6730	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6731	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6732	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6733	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6921	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6922	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6923	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6924	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7030	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7031	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7032	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R7033	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7034	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7035	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7036	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7040	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R7041	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R7047	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7049	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7051	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7052	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7054	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7055	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7056	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7057	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7058	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7059	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7060	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R7061	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7062	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7063	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7064	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7065	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7066	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R7067	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R7068	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7069	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7070	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7071	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7081	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7083	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7084	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R7085	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R7086	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7087	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7088	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7089	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7090	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7091	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7092	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7093	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7094	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7095	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7097	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7098	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7099	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7100	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7103	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7106	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7107	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7109	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7110	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7112	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7113	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7123	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7124	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7125	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7127	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7128	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7131	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7157	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7170	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7171	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7172	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7173	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7174	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7175	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7176	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7177	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7178	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7179	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7184	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7187	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7201	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7202	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7203	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7207	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7208	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7211	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7214	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7215	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7217	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7221	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7223	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7224	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7225	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7229	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7230	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7231	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R7232	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R7234	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R7235	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7237	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R7349	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7350	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7351	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7502	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7504	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R7505	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7534	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7601	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7602	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7603	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7604	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7605	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R7606	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R7607	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R7608	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R7609	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7610	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7611	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7612	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R7613	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7614	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7615	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7616	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7618	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R7620	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7622	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7623	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7624	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7625	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7626	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7627	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7628	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R7629	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7631	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7632	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7634	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7635	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7636	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7637	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7639	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7640	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7643	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7646	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7649	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7652	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7653	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7655	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7656	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R7657	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R7658	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R8781	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R8796	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8797	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8798	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8799	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9001	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9002	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9003	NRSA63D-273X	MG RESISTOR	27kΩ 1/16W D	
R9004	NRSA63J-684X	MG RESISTOR	680kΩ 1/16W J	
R9005	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9006	NRSA63J-512X	MG RESISTOR	5.1kΩ 1/16W J	
R9007	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9201	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9202	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9203	NRSA63D-302X	MG RESISTOR	3kΩ 1/16W D	
R9205	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9206	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R9207	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9209	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9306	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9308	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9501	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R9502	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R9503	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R9504	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R9505	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9506	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R9507	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9508	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R9509	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9510	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
RA6001	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6002	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA6007	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6008	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6009	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA6010	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA6011	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6101	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
RA6102	NRZ0080-220X	NET RESISTOR	22Ω	
RA6103	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
RA6104	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
RA6105	NRZ0080-220X	NET RESISTOR	22Ω	
RA6106	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
RA6107	NRZ0080-220X	NET RESISTOR	22Ω	
RA6108	NRZ0080-220X	NET RESISTOR	22Ω	
RA6109	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4	
RA6110	NRZ0080-470X	NET RESISTOR	47Ω	
RA6111	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4	
RA6112	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4	
RA6113	NRZ0080-470X	NET RESISTOR	47Ω	
RA6114	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4	
RA6115	NRZ0080-470X	NET RESISTOR	47Ω	
RA6116	NRZ0080-470X	NET RESISTOR	47Ω	
RA6401	NRZ0080-330X	NET RESISTOR	33Ω 1/16W J	
RA6402	NRZ0080-330X	NET RESISTOR	33Ω 1/16W J	
RA6403	NRZ0080-330X	NET RESISTOR	33Ω 1/16W J	
RA6501	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA6502	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA6503	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA6504	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6505	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6506	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
RA6541	NRZ0033-0R0W	NET RESISTOR	0Ω	
RA6542	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6543	NRZ0033-0R0W	NET RESISTOR	0Ω	
RA6544	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6545	NRZ0033-0R0W	NET RESISTOR	0Ω	
RA6546	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA7202	NRZ0080-473X	NET RESISTOR	47kΩ	
RA7203	NRZ0080-473X	NET RESISTOR	47kΩ	
RA7204	NRZ0080-473X	NET RESISTOR	47kΩ	
RA7205	NRZ0080-473X	NET RESISTOR	47kΩ	
RA7503	NQR0271-001X	EMI FILTEROR		
RA7601	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA7602	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA7603	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA7605	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA7606	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J x4	
L6051	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L6101	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L6102	NQL79GM-220X	COIL	22uH M	
L6103	NQL79GM-220X	COIL	22uH M	
L6105	NQR0489-002X	FERRITE BEADS		
L6254	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L6255	NQR0489-002X	FERRITE BEADS		
L6256	NQR0489-002X	FERRITE BEADS		
L6402	NQL79GM-100X	COIL	10uH M	
L6403	NQL79GM-100X	COIL	10uH M	
L6404	NQL79GM-100X	COIL	10uH M	
L6501	NQR0351-001X	FERRITE BEADS		
L6511	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
L6512	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
L6513	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
L6514	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
L6515	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
L6516	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
L6701	NQR0413-003X	FERRITE BEADS		
L6901	NQR0413-003X	FERRITE BEADS		
L6902	NQR0413-003X	FERRITE BEADS		
L6921	NQR0489-002X	FERRITE BEADS		
L6922	NQL79GM-220X	COIL	22uH M	
L6923	NQL79GM-220X	COIL	22uH M	
L6924	NQL79GM-220X	COIL	22uH M	
L6925	NQL79GM-220X	COIL	22uH M	
L7501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L7502	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L9001	NQLC8CM-150X	COIL	15uH M	
L9201	NQLC8CM-150X	COIL	15uH M	
CN011	QGF0508F1-50X	CONNECTOR	FFC/FPC (1-50)	
CN012	QGF0508F1-40X	CONNECTOR	FFC/FPC (1-40)	
CN110	QGB0603L1-B0	CONNECTOR	B-B (1-110)	
J7601	QNZ0587-001	D CONNECTOR	RS-232C	
J8501	NNZ0117-001	HDMI CONNECTOR	DIGITAL-IN-2	
J8502	NNZ0117-001	HDMI CONNECTOR	DIGITAL-IN-1	
K6052	NQR0489-002X	FERRITE BEADS		
K6250	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K6261	NQR0489-002X	FERRITE BEADS		
K6262	NQR0489-002X	FERRITE BEADS		
K6263	NQR0489-002X	FERRITE BEADS		
K6264	NQR0489-002X	FERRITE BEADS		
K6265	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K6266	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K6267	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K6268	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K6401	NQR0499-001X	FERRITE BEADS		
K6402	NQR0499-001X	FERRITE BEADS		
K6403	NQR0499-001X	FERRITE BEADS		
K6404	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K6405	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K6921	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K7032	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K7033	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K7034	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K7201	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K7501	NQR0413-002X	FERRITE BEADS		
K7504	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K7601	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
LC7505	NQR0483-005X	EMI FILTER	100uF 25V Z	
LC9301	NQR0470-003X	EMI FILTER	100pF 50V +50%-20%	
LC9303	NQR0483-005X	EMI FILTER	100uF 25V Z	
LC9305	NQR0483-005X	EMI FILTER	100uF 25V Z	
LC9307	NQR0483-005X	EMI FILTER	100uF 25V Z	
X6250	NAX0580-001X	CXO	27.0000MHz	
X7001	NAX0669-001X	CRYSTAL		
X7601	NAX0613-001X	C RESONATOR		

S CONTROL P.W. BOARD ASS'Y (SRA0L001A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
D0841	UDZS10B-X	Z DIODE		
D0842	UDZS10B-X	Z DIODE		
D0843	UDZS10B-X	Z DIODE		
D0844	UDZS10B-X	Z DIODE		
D0845	UDZS10B-X	Z DIODE		
D0846	UDZS10B-X	Z DIODE		
C0841	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C0842	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C0843	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C0844	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C0845	NCB21CK-105X	C CAPACITOR	1uF 16V K	
C0851	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
R0842	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R0843	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R0844	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R0845	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R0846	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R0847	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R0849	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0851	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R0852	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R0853	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R0854	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
J0841	QNZ0438-001	AV JACK	S/V/L/R IN	
S0851	QSW0619-003Z	TACT SWITCH	VOL+	
S0852	QSW0619-003Z	TACT SWITCH	VOL-	
S0853	QSW0619-003Z	TACT SWITCH	MENU	
S0854	QSW0619-003Z	TACT SWITCH	CH+	
S0855	QSW0619-003Z	TACT SWITCH	CH-	
S0856	QSW0619-003Z	TACT SWITCH	INPUT	

FRONT LED P.W. BOARD ASS'Y (SRA0L101A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
Q0801	2SC3928A/QR/-X	TRANSISTOR		
Q0802	2SC3928A/QR/-X	TRANSISTOR		
Q0803	2SC3928A/QR/-X	TRANSISTOR		
Q0804	2SC3928A/QR/-X	TRANSISTOR		
Q0805	2SC3928A/QR/-X	TRANSISTOR		
Q0806	2SC3928A/QR/-X	TRANSISTOR		
D0801	SELU5E20C	LED	POWER	
D0802	LE22440	LED	LAMP	
D0803	UDZS6.8B-X	Z DIODE		
D0804	UDZS6.8B-X	Z DIODE		
D0805	UDZS6.8B-X	Z DIODE		
D0806	UDZS6.8B-X	Z DIODE		
C0801	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C0802	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C0803	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C0804	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C0805	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C0806	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
R0801	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R0802	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R0803	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R0804	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R0805	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R0806	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R0807	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R0808	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R0809	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R0810	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R0811	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
CN8E1	QUB030-16A3EM-E	SIN TWIST WIRE		
CN8E2	QUB030-16A3EM-E	SIN TWIST WIRE		
S0801	QSW0619-003Z	TACT SWITCH	POWER	

LAMP COVER SW P.W. BOARD ASS'Y (SRA0L201A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
C0861	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
S0861	QSW1064-001	DETECT SWITCH	LAMP COVER SW	

TUNER P.W. BOARD ASS'Y (SRA0R001A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC061	CXA2205Q-X	IC		
Q004	2SA1530A/QR/-X	TRANSISTOR		
Q005	2SC3928A/QR/-X	TRANSISTOR		
C004	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C005	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C006	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C007	NEHL1HM-106X	E CAPACITOR	10uF 50V M	
C008	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C009	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C010	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C013	NEHL1AM-107X	E CAPACITOR	100uF 10V M	
C061	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C062	NCB11AK-475X	C CAPACITOR	4.7uF 10V K	
C063	NCB31HK-562X	C CAPACITOR	5600pF 50V K	
C064	NCB31HK-123X	C CAPACITOR	0.012uF 50V K	
C065	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C066	NCB11AK-475X	C CAPACITOR	4.7uF 10V K	
C067	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C068	NCB11AK-475X	C CAPACITOR	4.7uF 10V K	
C069	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C070	NCB11AK-475X	C CAPACITOR	4.7uF 10V K	
C071	NCB11AK-475X	C CAPACITOR	4.7uF 10V K	
C072	NCB11AK-475X	C CAPACITOR	4.7uF 10V K	
C073	NCB31HK-272X	C CAPACITOR	2700pF 50V K	
C074	NCB31HK-473X	C CAPACITOR	0.047uF 50V K	
C075	NCB11AK-335X	C CAPACITOR	3.3uF 10V K	
C076	NCB11AK-475X	C CAPACITOR	4.7uF 10V K	
C077	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C078	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C079	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C080	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C081	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C082	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C083	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C084	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C085	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C086	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C087	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C088	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C089	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C090	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C091	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C092	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C093	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C094	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
R002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R004	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R005	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R013	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R014	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R016	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R028	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R029	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R030	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R045	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R047	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R061	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R062	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R063	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R064	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R065	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R066	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R067	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
R068	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R069	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J	
R070	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R071	NRSA63J-225X	MG RESISTOR	2.2MΩ 1/16W J	
R072	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R074	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R076	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R077	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L001	NQL79GM-220X	COIL	22uH M	

⚠Ref No.	Part No.	Part Name	Description	Local
L002	NQL79GM-100X	COIL	10uH M	
L003	NQL79GM-220X	COIL	22uH M	
⚠TU001	QAU0430-001	TUNER		

ATSC TUNER MODULE P.W. BOARD ASS'Y (SSD-2105A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
⚠MD001	SSD-2105A-M2	ATSC TUNER MODULE PWB		

PRINTED WIRING BOARD PARTS LIST [HD-61FH96]

ANALOG P.W. BOARD ASS'Y (SRA-1002A-M2)

REFER TO PARTS LIST IN PAGE 3-20 FOR THIS P.W. BOARD.

DRIVE P.W. BOARD ASS'Y (SRA-3001A-M2)

REFER TO PARTS LIST IN PAGE 3-24 FOR THIS P.W. BOARD.

SD CARD P.W. BOARD ASS'Y (SRA-8501A-M2)

REFER TO PARTS LIST IN PAGE 3-33 FOR THIS P.W. BOARD.

REMOCON P.W. BOARD ASS'Y (SRA-8001A-M2)

REFER TO PARTS LIST IN PAGE 3-33 FOR THIS P.W. BOARD.

THERMO P.W. BOARD ASS'Y (SRA-8201A-M2)

REFER TO PARTS LIST IN PAGE 3-33 FOR THIS P.W. BOARD.

IRIS P.W. BOARD ASS'Y (SRA-8301A-M2)

REFER TO PARTS LIST IN PAGE 3-33 FOR THIS P.W. BOARD.

POWER P.W. BOARD ASS'Y (SRA-9002A-M2)

REFER TO PARTS LIST IN PAGE 3-34 FOR THIS P.W. BOARD.

DIGITAL P.W. BOARD ASS'Y (SRA0D002A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC6001	JCC5060	IC		
IC6002	SN74LVC1G08V-X	IC		
IC6011	SN74CBQ16211G-X	IC		
IC6012	SN74CBQ3306AU-X	IC		
IC6013	SN74CBQ3306AU-X	IC		
IC6101	EDD1232AAFA-6B	IC		
IC6102	LP2996MR-X	IC		
IC6250	UPC5702GS-027-X	IC		
IC6251	R1170H331B-X	IC		
IC6401	ISL98001CQZ-140	IC		
IC6402	R1170H331B-X	IC		
IC6501	THC63LVD1023	IC		
IC6724	S-80928CLNB-G-W	IC		
IC7033	CD74HC4094PW-X	IC		
IC7036	ADC081S021CIS-X	IC		
IC7203	M12L16161A-7TG	IC		
IC7204	S-80928CLNB-G-W	IC		
IC7205	SN74LV00APW-X	IC		
IC7602	ATF16-61FH96	IC	(SERVICE)	
IC7603	SN74AHCT1G08V-X	IC		
IC7604	SN74LVC1G04V-X	IC		
IC7605	MM1673XN-X	IC		
IC7606	MM1673XN-X	IC		
IC7607	ICL3221CAZ-X	IC		
IC9001	MP2263DN-C053-X	IC		
IC9101	MM1662FT-X	IC		
IC9201	MP2263DN-C053-X	IC		
IC9301	MM1701CH-X	IC		
Q6201	2SA1530A/QR/-X	TRANSISTOR		
Q6202	2SA1530A/QR/-X	TRANSISTOR		
Q6203	2SA1022/BC/-X	TRANSISTOR		
Q6204	2SA1022/BC/-X	TRANSISTOR		
Q6205	2SA1022/BC/-X	TRANSISTOR		
Q6206	2SA1022/BC/-X	TRANSISTOR		
Q6211	2SC3837K/NP/-X	TRANSISTOR		
Q6212	2SC3837K/NP/-X	TRANSISTOR		
Q6213	2SC3837K/NP/-X	TRANSISTOR		
Q6214	2SC3837K/NP/-X	TRANSISTOR		
Q6250	2SC3928A/QR/-X	TRANSISTOR		
Q6251	2SC3928A/QR/-X	TRANSISTOR		
Q7030	UN2213-X	DIGI TRANSISTOR		
Q7032	UN2113-X	TRANSISTOR		
Q7033	UN2113-X	TRANSISTOR		
Q7034	UN2113-X	TRANSISTOR		
Q7035	UN2113-X	TRANSISTOR		
Q7201	2SC3928A/QR/-X	TRANSISTOR		
Q7501	UN2213-X	DIGI TRANSISTOR		
Q9501	UN2213-X	DIGI TRANSISTOR		
Q9502	2SC3928A/QR/-X	TRANSISTOR		
Q9503	2SC3928A/QR/-X	TRANSISTOR		
D6052	1SS355-X	SI DIODE		
D7201	RB501V-40-X	SB DIODE		
D7501	1SS355-X	SI DIODE		
D7502	1SS355-X	SI DIODE		
D7601	1SS355-X	SI DIODE		
D7604	MA8120-X	Z DIODE		
D7605	MA8120-X	Z DIODE		
D7606	MA8120-X	Z DIODE		
D7607	MA8120-X	Z DIODE		
D9001	EC30HA03L-X	SB DIODE		
D9002	EC30HA03L-X	SB DIODE		
D9003	PTZ3.9B-X	Z DIODE		
D9201	EC30HA03L-X	SB DIODE		
D9202	EC30HA03L-X	SB DIODE		
D9203	PTZ3.9B-X	Z DIODE		
D9501	1SS355-X	SI DIODE		
D9502	1SS355-X	SI DIODE		
C6002	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6031	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6051	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	
C6052	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C6053	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C6054	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6055	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6101	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C6103	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6107	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6109	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6111	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6112	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6113	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6114	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6116	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6117	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C6118	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6119	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6121	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6122	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M	
C6123	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6124	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M	
C6125	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6126	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C6128	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C6130	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C6132	NEHL1EM-226X	E CAPACITOR	22uF 25V M	
C6133	NCB31CK-154X	C CAPACITOR	0.15uF 16V K	
C6134	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6135	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6139	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6217	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6218	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6236	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6237	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6238	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6239	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6241	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6242	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C6243	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6244	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C6245	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6246	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C6247	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6248	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C6249	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C6250	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6251	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6252	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6253	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6254	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6255	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6260	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C6261	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C6262	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C6263	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C6268	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6270	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	

⚠Ref No.	Part No.	Part Name	Description	Local
C6271	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6272	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6273	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6274	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6276	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6277	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6278	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6279	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6280	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6282	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6283	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6284	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6285	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6286	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6288	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6289	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6290	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6291	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6293	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6294	NBZ0007-107X	SP E CAPACITOR	100uF 4V M	
C6295	NBZ0007-107X	SP E CAPACITOR	100uF 4V M	
C6296	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6297	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6298	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C6402	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6403	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6406	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6409	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6410	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6411	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6412	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6413	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6414	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6415	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C6416	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6417	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6418	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6419	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6420	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6422	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6423	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6424	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6425	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6428	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6429	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6430	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6431	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6432	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6433	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6434	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6435	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6436	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6437	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6438	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6439	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6440	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6441	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6501	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6502	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6503	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6504	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6505	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6506	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6507	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6508	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6509	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6510	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6511	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6512	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6513	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6514	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6515	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6520	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6571	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C6601	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6602	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6603	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6610	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6611	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6612	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6613	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6614	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6615	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6616	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6617	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6618	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6619	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6620	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6621	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6622	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6623	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6624	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6625	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6626	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6627	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6628	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6629	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6630	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6631	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6632	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6633	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6634	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6635	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6636	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6637	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6638	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6639	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6640	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6641	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6642	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6643	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6644	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6645	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6654	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6656	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6657	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6658	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6659	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6660	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6661	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6677	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6678	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6679	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6680	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6681	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6682	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6683	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6684	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6685	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6686	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6687	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6688	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6689	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6690	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6691	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6692	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6693	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6694	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6695	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6696	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6697	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6698	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6699	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6701	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C6723	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C6724	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C6901	NBZ0007-107X	SP E CAPACITOR	100uF 4V M	
C6902	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6903	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6904	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6905	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6906	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6907	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6908	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6909	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6910	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6911	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6912	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6913	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6914	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6915	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6916	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6917	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6918	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6919	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6921	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6922	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6923	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6924	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6925	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6926	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6927	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6928	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7039	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C7044	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7051	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7052	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7053	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7054	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7055	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	

⚠Ref No.	Part No.	Part Name	Description	Local
C7056	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7057	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7058	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7059	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7060	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7061	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7062	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7063	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7064	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7065	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7066	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7067	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7068	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7073	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7202	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7203	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7204	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7205	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7206	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7207	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7208	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7209	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7211	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C7212	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7213	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7214	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C7215	QCS31HJ-330Z	C CAPACITOR	33pF 50V J	
C7501	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7504	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C7505	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C7506	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C7507	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C7508	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C7510	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C7511	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C7601	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C7602	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7603	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7604	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C7605	NCB31HK-221X	C CAPACITOR	220pF 50V K	
C7606	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C7607	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C7608	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7609	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C7610	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C7611	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C7612	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C7615	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7616	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7617	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7618	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C7619	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C7620	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C7621	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C7622	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7623	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7624	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7625	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7626	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7629	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C7630	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7631	NCB31AK-224X	C CAPACITOR	0.22uF 10V K	
C7632	NCB31AK-224X	C CAPACITOR	0.22uF 10V K	
C9001	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C9002	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	
C9003	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C9004	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9005	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9006	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C9007	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9010	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9101	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	
C9103	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C9201	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C9202	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	
C9203	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C9204	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9205	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9206	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C9207	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	
C9208	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9301	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9302	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	
C9303	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9304	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	
C9313	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9314	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9501	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C9502	NCB31CK-105X	C CAPACITOR	1uF 16V K	

⚠Ref No.	Part No.	Part Name	Description	Local
R6002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6009	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6014	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6017	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6018	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6019	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6020	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6055	NRS181J-0R0X	MG RESISTOR	0Ω 1/8W J	
R6057	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6058	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6059	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6060	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6061	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6064	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6065	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6066	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6068	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
R6072	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6073	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6074	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6075	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6101	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6102	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6103	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6104	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6105	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6106	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6107	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R6108	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R6109	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6110	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6111	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6112	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6113	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6114	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6115	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6116	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6117	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6118	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6119	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6120	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6121	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6122	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6127	NRSA63J-1R5X	MG RESISTOR	1.5Ω 1/16W J	
R6141	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6142	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6201	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6202	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6203	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6204	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6207	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6209	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6214	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6215	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6216	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6217	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6223	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6224	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6225	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6226	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6230	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6231	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6232	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6233	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6235	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6236	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R6238	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6239	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R6241	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6242	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R6244	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6245	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R6248	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6249	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R6251	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6252	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6253	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6254	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R6255	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R6256	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6257	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6258	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R6259	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R6260	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6261	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6262	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R6263	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R6264	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6265	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6266	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R6267	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R6268	NRSA63D-242X	MG RESISTOR	2.4kΩ 1/16W D	
R6269	NRSA63D-242X	MG RESISTOR	2.4kΩ 1/16W D	
R6270	NRSA63D-242X	MG RESISTOR	2.4kΩ 1/16W D	
R6271	NRSA63D-242X	MG RESISTOR	2.4kΩ 1/16W D	
R6273	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6274	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6275	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6276	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6279	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6280	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R6281	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6282	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R6283	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6284	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6285	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6286	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R6287	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R6288	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R6289	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6291	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6292	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6294	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6295	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6296	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6297	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6298	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6299	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6401	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6402	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6403	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R6404	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6405	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6408	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6409	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6410	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R6411	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R6412	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6414	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6415	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6416	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6417	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6419	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R6421	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R6423	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6424	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R6425	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6426	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6427	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6428	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6501	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6502	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6503	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6505	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6508	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6509	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6511	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6514	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6568	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6571	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6572	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6573	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6575	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6576	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6592	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6602	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6605	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6607	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6609	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6611	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6707	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6712	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6713	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6730	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6731	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6732	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6733	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6921	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6922	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6923	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6924	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7030	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7031	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7032	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R7033	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7034	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7035	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7036	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7040	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R7041	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R7047	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7049	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7051	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7052	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7054	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7055	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7056	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7057	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7058	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7059	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7060	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R7061	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7062	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7063	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7064	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7065	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7066	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R7067	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R7068	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7069	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7070	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7071	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7081	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7083	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7084	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R7085	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R7086	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7087	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7088	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7089	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7090	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7091	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7092	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7093	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7094	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7095	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7097	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7098	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7099	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7100	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7103	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7106	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7107	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7109	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7110	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7112	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7113	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7123	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7124	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7125	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7127	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7128	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7131	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7157	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7170	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7171	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7172	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7173	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7174	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7175	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7176	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7177	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7178	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7179	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7184	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7187	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7201	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7202	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7203	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7207	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7208	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7211	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7214	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7215	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7217	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7221	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7223	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7224	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7225	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7229	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7230	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7231	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R7232	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R7234	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R7235	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7237	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R7349	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R7350	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7351	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7502	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7504	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R7505	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7534	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7601	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7602	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7603	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7604	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7605	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R7606	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R7607	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R7608	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R7609	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7610	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7611	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7612	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R7613	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7614	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7615	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7616	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7618	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7620	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7622	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7623	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7624	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7625	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7626	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7627	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7628	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R7629	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7631	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7632	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7634	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7635	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7636	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7637	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7639	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7640	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7643	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7646	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7649	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7652	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7653	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7655	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7656	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R7657	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R7658	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R8781	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R8796	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8797	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8798	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8799	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9001	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9002	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9003	NRSA63D-273X	MG RESISTOR	27kΩ 1/16W D	
R9004	NRSA63J-684X	MG RESISTOR	680kΩ 1/16W J	
R9005	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9006	NRSA63J-512X	MG RESISTOR	5.1kΩ 1/16W J	
R9007	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9201	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9202	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9203	NRSA63D-302X	MG RESISTOR	3kΩ 1/16W D	
R9205	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9206	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R9207	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9209	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9306	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9308	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9501	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R9502	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R9503	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R9504	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R9505	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9506	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R9507	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9508	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R9509	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9510	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
RA6001	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6002	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA6007	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6008	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6009	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA6010	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA6011	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6101	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	

⚠Ref No.	Part No.	Part Name	Description	Local
RA6102	NRZ0080-220X	NET RESISTOR	22Ω	
RA6103	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
RA6104	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
RA6105	NRZ0080-220X	NET RESISTOR	22Ω	
RA6106	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
RA6107	NRZ0080-220X	NET RESISTOR	22Ω	
RA6108	NRZ0080-220X	NET RESISTOR	22Ω	
RA6109	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4	
RA6110	NRZ0080-470X	NET RESISTOR	47Ω	
RA6111	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4	
RA6112	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4	
RA6113	NRZ0080-470X	NET RESISTOR	47Ω	
RA6114	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4	
RA6115	NRZ0080-470X	NET RESISTOR	47Ω	
RA6116	NRZ0080-470X	NET RESISTOR	47Ω	
RA6401	NRZ0080-330X	NET RESISTOR	33Ω 1/16W J	
RA6402	NRZ0080-330X	NET RESISTOR	33Ω 1/16W J	
RA6403	NRZ0080-330X	NET RESISTOR	33Ω 1/16W J	
RA6501	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA6502	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA6503	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA6504	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6505	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6506	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6541	NRZ0033-0R0W	NET RESISTOR	0Ω	
RA6542	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6543	NRZ0033-0R0W	NET RESISTOR	0Ω	
RA6544	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6545	NRZ0033-0R0W	NET RESISTOR	0Ω	
RA6546	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA7202	NRZ0080-473X	NET RESISTOR	47kΩ	
RA7203	NRZ0080-473X	NET RESISTOR	47kΩ	
RA7204	NRZ0080-473X	NET RESISTOR	47kΩ	
RA7205	NRZ0080-473X	NET RESISTOR	47kΩ	
RA7503	NQR0271-001X	EMI FILTEROR		
RA7601	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA7602	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA7603	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA7605	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA7606	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J x4	
L6051	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L6101	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L6102	NQL79GM-220X	COIL	22uH M	
L6103	NQL79GM-220X	COIL	22uH M	
L6105	NQR0489-002X	FERRITE BEADS		
L6254	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L6255	NQR0489-002X	FERRITE BEADS		
L6256	NQR0489-002X	FERRITE BEADS		
L6402	NQL79GM-100X	COIL	10uH M	
L6403	NQL79GM-100X	COIL	10uH M	
L6404	NQL79GM-100X	COIL	10uH M	
L6501	NQR0351-001X	FERRITE BEADS		
L6511	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
L6512	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
L6513	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
L6514	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
L6515	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
L6516	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
L6701	NQR0413-003X	FERRITE BEADS		
L6901	NQR0413-003X	FERRITE BEADS		
L6902	NQR0413-003X	FERRITE BEADS		
L6921	NQR0489-002X	FERRITE BEADS		
L6922	NQL79GM-220X	COIL	22uH M	
L6923	NQL79GM-220X	COIL	22uH M	
L6924	NQL79GM-220X	COIL	22uH M	
L6925	NQL79GM-220X	COIL	22uH M	
L7501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L7502	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L9001	NQLC8CM-150X	COIL	15uH M	
L9201	NQLC8CM-150X	COIL	15uH M	
CN011	QGF0508F1-50X	CONNECTOR	FFC/FPC (1-50)	
CN012	QGF0508F1-40X	CONNECTOR	FFC/FPC (1-40)	
CN110	QGB0603L1-B0	CONNECTOR	B-B (1-110)	
J7601	QNZ0587-001	D CONNECTOR	RS-232C	
J8501	NNZ0117-001	HDMI CONNECTOR	DIGITAL-IN-2	
J8502	NNZ0117-001	HDMI CONNECTOR	DIGITAL-IN-1	
K6052	NQR0489-002X	FERRITE BEADS		
K6250	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K6261	NQR0489-002X	FERRITE BEADS		
K6262	NQR0489-002X	FERRITE BEADS		
K6263	NQR0489-002X	FERRITE BEADS		
K6264	NQR0489-002X	FERRITE BEADS		
K6265	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K6266	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K6267	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K6268	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K6401	NQR0499-001X	FERRITE BEADS		
K6402	NQR0499-001X	FERRITE BEADS		

⚠Ref No.	Part No.	Part Name	Description	Local
K6403	NQR0499-001X	FERRITE BEADS		
K6404	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K6405	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K6921	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K7032	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K7033	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K7034	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K7201	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K7501	NQR0413-002X	FERRITE BEADS		
K7504	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K7601	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
LC7505	NQR0483-005X	EMI FILTER	100uF 25V Z	
LC9301	NQR0470-003X	EMI FILTER	100pF 50V +50%-20%	
LC9303	NQR0483-005X	EMI FILTER	100uF 25V Z	
LC9305	NQR0483-005X	EMI FILTER	100uF 25V Z	
LC9307	NQR0483-005X	EMI FILTER	100uF 25V Z	
X6250	NAX0580-001X	CXO	27.0000MHz	
X7001	NAX0669-001X	CRYSTAL		
X7601	NAX0613-001X	C RESONATOR		

S CONTROL P.W. BOARD ASS'Y (SRA0L001A-M2)

REFER TO PARTS LIST IN PAGE 3-41 FOR THIS P.W. BOARD.

FRONT LED P.W. BOARD ASS'Y (SRA0L101A-M2)

REFER TO PARTS LIST IN PAGE 3-41 FOR THIS P.W. BOARD.

LAMP COVER SW P.W. BOARD ASS'Y (SRA0L201A-M2)

REFER TO PARTS LIST IN PAGE 3-41 FOR THIS P.W. BOARD.

TUNER P.W. BOARD ASS'Y (SRA0R001A-M2)

REFER TO PARTS LIST IN PAGE 3-41 FOR THIS P.W. BOARD.

ATSC TUNER MODULE P.W. BOARD ASS'Y (SSD-2105A-M2)

REFER TO PARTS LIST IN PAGE 3-42 FOR THIS P.W. BOARD.

PRINTED WIRING BOARD PARTS LIST [HD-70FH96]

ANALOG P.W. BOARD ASS'Y (SRA-1001A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC101	R2S11004FT	IC		
IC102	R2S11003FT	IC		
IC103	MM1510XN-X	IC		
IC104	MM1510XN-X	IC		
IC105	MM1510XN-X	IC		
IC106	CD4066BNS-X	IC		
IC281	BD3869AF-X	IC		
IC282	RC4558D-X	IC		
IC301	CD4052BNS-X	IC		
IC381	M62320FP-X	IC		
IC601	NJW1181FP1	IC		
IC602	PQ20WZ11-X	IC		
IC604	HA17558AF-X	IC		
IC605	TDA8928ST/N1	IC		
IC606	M62320FP-X	IC		
IC607	LM393DR-X	IC		
IC902	TA48M033F-X	IC		
Q101	UN2213-X	DIGI TRANSISTOR		
Q102	UN2213-X	DIGI TRANSISTOR		
Q106	2SK1374-X	MOS FET		
Q107	2SK1374-X	MOS FET		
Q108	2SC3928A/QR/-X	TRANSISTOR		
Q109	2SA1022/BC/-X	TRANSISTOR		
Q110	2SA1022/BC/-X	TRANSISTOR		
Q111	2SA1022/BC/-X	TRANSISTOR		
Q112	2SA1022/BC/-X	TRANSISTOR		
Q113	2SC3928A/QR/-X	TRANSISTOR		
Q301	UN2213-X	DIGI TRANSISTOR		
Q302	UN2213-X	DIGI TRANSISTOR		
Q431	UN2226-X	DIGI TRANSISTOR		
Q432	UN2226-X	DIGI TRANSISTOR		
Q433	UN2110-X	DIGI TRANSISTOR		
Q451	UN2226-X	DIGI TRANSISTOR		
Q452	UN2226-X	DIGI TRANSISTOR		
Q453	UN2110-X	DIGI TRANSISTOR		
Q605	UN2212-X	DIGI TRANSISTOR		
Q606	UN2112-X	DIGI TRANSISTOR		
Q607	2SC3928A/QR/-X	TRANSISTOR		
Q614	2SA1530A/QR/-X	TRANSISTOR		
Q901	2SC3074/OY/-X	TRANSISTOR		
Q902	2SC3074/OY/-X	TRANSISTOR		
D105	1SS355-X	SI DIODE		
D110	1SS355-X	SI DIODE		
D121	MA8056/M/-X	Z DIODE		
D122	MA8056/M/-X	Z DIODE		
D123	MA8056/M/-X	Z DIODE		
D124	MA8056/M/-X	Z DIODE		
D125	MA8056/M/-X	Z DIODE		
D126	MA8056/M/-X	Z DIODE		
D131	MA8100/M/-X	Z DIODE		
D132	MA8100/M/-X	Z DIODE		
D133	MA8100/M/-X	Z DIODE		
D134	MA8100/M/-X	Z DIODE		
D135	MA8100/M/-X	Z DIODE		
D136	MA8100/M/-X	Z DIODE		
D401	UDZS10B-X	Z DIODE		
D402	UDZS10B-X	Z DIODE		
D403	UDZS10B-X	Z DIODE		
D404	UDZS10B-X	Z DIODE		
D405	UDZS10B-X	Z DIODE		
D406	UDZS10B-X	Z DIODE		
D407	UDZS10B-X	Z DIODE		
D408	UDZS10B-X	Z DIODE		
D409	UDZS10B-X	Z DIODE		
D410	UDZS10B-X	Z DIODE		
D411	UDZS10B-X	Z DIODE		
D412	UDZS10B-X	Z DIODE		
D413	UDZS10B-X	Z DIODE		
D414	UDZS10B-X	Z DIODE		
D415	UDZS10B-X	Z DIODE		
D416	UDZS10B-X	Z DIODE		
D417	UDZS10B-X	Z DIODE		
D418	UDZS10B-X	Z DIODE		
D419	UDZS10B-X	Z DIODE		
D420	UDZS10B-X	Z DIODE		
D421	UDZS10B-X	Z DIODE		
D422	UDZS10B-X	Z DIODE		
D423	UDZS10B-X	Z DIODE		
D424	UDZS10B-X	Z DIODE		
D431	UDZS10B-X	Z DIODE		
D432	UDZS10B-X	Z DIODE		
D451	UDZS10B-X	Z DIODE		
D452	UDZS10B-X	Z DIODE		
D461	UDZS10B-X	Z DIODE		
D462	UDZS10B-X	Z DIODE		
D463	UDZS10B-X	Z DIODE		
D464	UDZS10B-X	Z DIODE		
D465	UDZS10B-X	Z DIODE		
D466	UDZS10B-X	Z DIODE		
D481	UDZS5.1B-X	Z DIODE		
D491	UDZS3.3B-X	Z DIODE		
D492	S9648	PHOTO CONDUCTOR		
D601	1SS355-X	SI DIODE		
D605	1SS355-X	SI DIODE		
D606	1SS355-X	SI DIODE		
D607	1SS355-X	SI DIODE		
D608	1SS355-X	SI DIODE		
D610	UDZS20B-X	Z DIODE		
D611	UDZS20B-X	Z DIODE		
D612	UDZS20B-X	Z DIODE		
D613	UDZS20B-X	Z DIODE		
D614	UDZS6.2B-X	Z DIODE		
D615	1SS355-X	SI DIODE		
D616	UDZS3.3B-X	Z DIODE		
D618	1SS355-X	SI DIODE		
D903	PTZ11B-X	Z DIODE		
D904	PTZ6.8B-X	Z DIODE		
C101	NEHL1CM-107X	E CAPACITOR	100uF 16V M	
C102	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C103	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C104	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C105	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C106	NEHL1EM-475X	E CAPACITOR	4.7uF 25V M	
C107	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C108	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C109	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C110	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C117	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C118	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C119	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C120	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C121	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C122	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C123	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C124	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C125	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C126	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C127	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C128	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C129	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C130	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C131	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C132	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C133	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C134	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C135	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C136	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C138	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C139	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C141	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C142	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C143	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C144	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C145	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C146	NEHL1AM-107X	E CAPACITOR	100uF 10V M	
C147	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C148	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C149	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C150	NEHL1AM-107X	E CAPACITOR	100uF 10V M	
C151	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C152	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C153	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C154	NEHL1AM-107X	E CAPACITOR	100uF 10V M	
C155	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C156	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C157	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C158	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C161	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C163	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C164	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C165	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C166	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C167	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C168	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C169	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C170	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C171	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C172	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C173	NDC31HJ-680X	C CAPACITOR	68pF 50V J	

⚠Ref No.	Part No.	Part Name	Description	Local
C174	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C175	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C176	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C177	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C178	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C179	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C180	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C181	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C182	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C183	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C184	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C185	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C187	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C189	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C191	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C192	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C193	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C199	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C200	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C201	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C202	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C203	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C204	NENA1CM-475X	BP E CAPACITOR	4.7uF 16V M	
C206	NENA1CM-475X	BP E CAPACITOR	4.7uF 16V M	
C207	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C208	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C209	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C210	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C211	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C212	NDC31HJ-820X	C CAPACITOR	82pF 50V J	
C215	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C216	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C217	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C218	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C219	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C220	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C221	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C222	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C225	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C226	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C229	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C281	NENA1CM-475X	BP E CAPACITOR	4.7uF 16V M	
C282	NENA1CM-475X	BP E CAPACITOR	4.7uF 16V M	
C283	NEHL1EM-226X	E CAPACITOR	22uF 25V M	
C284	NEHL1CM-107X	E CAPACITOR	100uF 16V M	
C285	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C286	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C287	NENA1CM-475X	BP E CAPACITOR	4.7uF 16V M	
C288	NENA1CM-475X	BP E CAPACITOR	4.7uF 16V M	
C289	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
C290	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
C291	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C301	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C303	NENA1CM-475X	BP E CAPACITOR	4.7uF 16V M	
C304	NENA1CM-475X	BP E CAPACITOR	4.7uF 16V M	
C305	NEHL1CM-107X	E CAPACITOR	100uF 16V M	
C306	NEHL1EM-475X	E CAPACITOR	4.7uF 25V M	
C307	NEHL1EM-475X	E CAPACITOR	4.7uF 25V M	
C381	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
C382	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
C383	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C401	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C402	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C403	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C404	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C405	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C406	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C407	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C408	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C409	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C410	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C411	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C412	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C413	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C414	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C415	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C416	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C417	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C418	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C419	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C420	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C421	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C422	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C423	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C431	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C432	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C433	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C451	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C452	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C453	NCB11CK-105X	C CAPACITOR	1uF 16V K	

⚠Ref No.	Part No.	Part Name	Description	Local
C461	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C462	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C463	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C464	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C465	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C466	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C468	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C469	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C491	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C492	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C493	NEHL1CM-107X	E CAPACITOR	100uF 16V M	
C494	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C601	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C602	NEHL1EM-336X	E CAPACITOR	33uF 25V M	
C603	NEHL1EM-336X	E CAPACITOR	33uF 25V M	
C604	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C605	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C606	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C607	QETM1EM-477	E CAPACITOR	470uF 25V M	
C616	NEHL1EM-475X	E CAPACITOR	4.7uF 25V M	
C617	NEHL1EM-475X	E CAPACITOR	4.7uF 25V M	
C622	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
C623	NCB21CK-184X	C CAPACITOR	0.18uF 16V K	
C624	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C625	NCB31HK-183X	C CAPACITOR	0.018uF 50V K	
C628	NCB31HK-123X	C CAPACITOR	0.012uF 50V K	
C629	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C630	NCB21CK-184X	C CAPACITOR	0.18uF 16V K	
C631	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
C634	NCB31EK-393X	C CAPACITOR	0.039uF 25V K	
C637	NCB31EK-393X	C CAPACITOR	0.039uF 25V K	
C638	NCB31EK-223X	C CAPACITOR	0.022uF 25V K	
C639	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C643	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C644	NEHL1EM-475X	E CAPACITOR	4.7uF 25V M	
C645	NENA1CM-475X	BP E CAPACITOR	4.7uF 16V M	
C647	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C648	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C649	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C650	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C651	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C653	NCB31EK-223X	C CAPACITOR	0.022uF 25V K	
C654	NCB31CK-473X	C CAPACITOR	0.047uF 16V K	
C655	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C656	NENA1CM-475X	BP E CAPACITOR	4.7uF 16V M	
C659	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C660	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C661	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C662	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C663	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C664	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C665	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C666	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C667	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C668	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C669	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C671	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C674	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C675	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C676	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C677	NEHL1HM-105X	E CAPACITOR	1uF 50V M	
C678	NEHL1HM-105X	E CAPACITOR	1uF 50V M	
C679	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C680	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C681	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C682	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C683	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
C684	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
C685	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C686	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C687	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C688	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C689	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C690	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C691	NEHL1EM-226X	E CAPACITOR	22uF 25V M	
C692	NEHL1EM-226X	E CAPACITOR	22uF 25V M	
C693	NCB11EK-105X	C CAPACITOR	1uF 25V K	
C694	NCB11EK-105X	C CAPACITOR	1uF 25V K	
C697	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C698	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C699	QETM1HM-226	E CAPACITOR	22uF 50V M	
C700	QETM1HM-226	E CAPACITOR	22uF 50V M	
C701	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C702	QETM1EM-477	E CAPACITOR	470uF 25V M	
C704	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C705	QETM1EM-477	E CAPACITOR	470uF 25V M	
C707	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C708	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C709	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C711	NCB31HK-561X	C CAPACITOR	560pF 50V K	

⚠Ref No.	Part No.	Part Name	Description	Local
C712	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C713	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J	
C716	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C717	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C719	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J	
C720	QFVF1HJ-474Z	MF CAPACITOR	0.47uF 50V J	
C721	QFVF1HJ-474Z	MF CAPACITOR	0.47uF 50V J	
C722	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	
C723	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	
C724	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C726	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C727	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C728	QETM1EM-477	E CAPACITOR	470uF 25V M	
C904	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C905	NEHM1CM-476X	E CAPACITOR	47uF 16V M	
C911	NEX51CM-335X	E CAPACITOR	3.3uF 16V M	
C912	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C913	NEX51CM-335X	E CAPACITOR	3.3uF 16V M	
C914	NEX50JM-156X	E CAPACITOR	15uF 6.3V M	
C915	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C916	NEX50JM-156X	E CAPACITOR	15uF 6.3V M	
R101	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R102	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R103	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R104	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R105	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R106	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R126	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R127	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R128	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R136	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R137	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R140	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R141	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R142	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R143	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R144	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R145	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R146	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R147	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R150	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R151	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R152	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R153	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R154	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R157	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R158	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R159	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R160	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R161	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R162	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R163	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R164	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R165	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R166	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R167	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R168	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R169	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R170	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R171	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R172	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R174	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R175	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R176	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R178	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R179	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R180	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R181	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R183	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R184	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R185	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R187	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R188	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R189	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R190	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R192	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R194	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R204	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R205	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R206	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R207	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R208	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R209	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R210	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R211	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R212	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R213	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R214	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R215	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R219	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R220	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R221	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R223	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R224	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R225	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R228	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R229	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R230	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R231	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R232	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R233	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R234	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R235	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R241	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R243	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R245	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R246	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R247	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R249	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R251	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R253	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R255	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R257	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R259	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R260	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R261	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R262	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R263	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R264	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R265	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R266	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R267	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R280	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R281	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R284	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R285	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R286	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R287	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R288	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R289	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R290	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R291	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R292	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R295	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R296	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R297	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R299	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R306	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R307	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R308	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R309	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R310	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R311	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R312	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R313	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R314	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R315	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R316	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R317	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R318	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R319	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R322	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R323	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R382	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R384	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R385	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R387	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R388	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R389	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R390	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R391	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R392	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R393	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R394	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R395	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R401	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R402	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R403	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R404	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R405	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R407	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R408	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R409	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R410	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R411	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R412	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R413	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R414	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R415	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R416	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R417	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R418	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R419	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R420	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R421	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R422	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R423	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R431	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R433	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R434	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R435	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R436	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R437	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R438	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R439	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R440	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R441	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R442	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R443	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R444	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R451	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R452	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R453	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R454	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R455	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R456	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R457	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R458	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R461	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R462	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R463	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R464	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R465	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R466	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R467	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R468	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R469	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R470	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R471	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R474	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R475	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R476	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R481	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R491	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R534	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R535	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R584	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R585	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R586	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R587	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R588	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R589	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R590	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R591	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R592	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R593	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R594	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R597	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R598	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R599	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R601	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R602	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R603	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R604	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R605	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R606	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R607	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R608	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R620	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R623	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R625	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R628	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R638	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R641	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R642	NRSA63J-163X	MG RESISTOR	16kΩ 1/16W J	
R644	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R645	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R647	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R649	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
R650	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R651	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R652	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R653	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R654	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R655	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R656	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R661	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R662	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R663	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R664	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R665	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R666	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R667	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R668	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R669	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R670	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R671	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R672	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R673	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R674	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R675	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R676	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R677	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R678	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R679	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R680	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R681	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R682	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R683	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R684	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R685	QRJ149J-102	UNF C RESISTOR	1kΩ 1/4W J	
R687	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R694	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R695	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R696	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R700	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R701	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R702	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R703	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R704	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R705	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R706	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R718	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R719	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R720	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R722	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R723	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R724	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R725	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R726	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R727	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R728	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R729	QRK129J-5R6	UNF C RESISTOR	5.6Ω 1/2W J	
R730	QRK129J-5R6	UNF C RESISTOR	5.6Ω 1/2W J	
R731	QRK129J-220	UNF C RESISTOR	22Ω 1/2W J	
R732	QRK129J-220	UNF C RESISTOR	22Ω 1/2W J	
R733	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R735	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R736	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R737	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R738	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R739	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R740	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R741	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R751	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R771	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R781	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R782	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R791	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R792	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R793	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R794	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R795	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R796	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R797	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R798	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R905	QRE141J-274Y	C RESISTOR	270kΩ 1/4W J	
R907	NRS12BJ-471W	MG RESISTOR	470Ω 1/2W J	
R908	NRS12BJ-471W	MG RESISTOR	470Ω 1/2W J	
R917	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R918	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R919	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R920	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R933	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R934	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R937	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R938	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R945	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R946	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R951	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J	
R952	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J	
R953	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J	
R954	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L101	NQL79GM-100X	COIL	10uH M	
L601	QQR0621-002Z	FERRITE BEADS		
L602	QQR0621-002Z	FERRITE BEADS		
L605	NQLC8CM-560X	COIL	56uH M	
L606	NQLC8CM-560X	COIL	56uH M	

⚠Ref No.	Part No.	Part Name	Description	Local
L901	NQL52EM-220X	COIL	22uH M	
L902	NQL52EM-220X	COIL	22uH M	
L903	NQL52EM-220X	COIL	22uH M	
L904	NQL52EM-220X	COIL	22uH M	
CN011	QGF0508C1-50W	CONNECTOR	FFC/FPC (1-50)	
CN012	QGF0508C1-40W	CONNECTOR	FFC/FPC (1-40)	
J401	QNZ0825-001	AV JACK	INPUT-1(S/V/L/R)	
J402	QNN0349-002	PIN JACK	INPUT-1(COMPONENT)	
J403	QNN0764-001	PIN JACK	INPUT-2(V/L/R)	
J404	QNN0349-002	PIN JACK	INPUT-2(COMPONENT)	
J405	QNZ0825-001	AV JACK	INPUT-3(S/V/L/R)	
J406	QNN0765-001	PIN JACK	CENTER CHANNEL-IN	
J407	QNZ0825-001	AV JACK	MONITOR/REC-OUT	
J409	QNN0766-001	PIN JACK	AUDIO-OUT	
J410	QNZ0561-001	D CONNECTOR	PC-IN	
J411	QNS0001-001	3.5 JACK	AV COMPULINK III	
K601	NQR0499-002X	FERRITE BEADS		
K602	NQR0499-002X	FERRITE BEADS		
K603	NQR0499-002X	FERRITE BEADS		
K604	NQR0499-002X	FERRITE BEADS		

DRIVE P.W. BOARD ASS'Y (SRA-3001A-M2)

REFER TO PARTS LIST IN PAGE 3-24 FOR THIS P.W. BOARD.

SD CARD P.W. BOARD ASS'Y (SRA-8501A-M2)

REFER TO PARTS LIST IN PAGE 3-33 FOR THIS P.W. BOARD.

CARD VIEWER P.W. BOARD ASS'Y (SRP-8511A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC1001	ES6425FF	IC		
IC1002	IC-PST596N/J/-X	IC		
IC1003	SN74LVC1G126V-X	IC		
IC1005	RPI-352	PHOTO TRANSISTOR		
IC1006	SN74LVC2G74T-X	IC		
IC1007	SN74LVC2G241T-X	IC		
IC1201	SN74LVC244APW-X	IC		
IC1202	SN74LVC1G04V-X	IC		
IC1203	SN74LVC1G08V-X	IC		
IC1401	K4S281632F-UC75	IC(DIGITAL)		
IC2001	ADV7125KST140	IC		
IC2002	AK4384VT-X	IC		
IC2003	NJM4580V-X	IC		
IC2004	XC9572L10VG6401	IC		
IC2005	SN74LVC2G08T-X	IC		
IC2201	R1170H331B-X	IC		
IC2202	MP1580HS-X	IC		
IC2204	MM1562AF-X	IC		
Q1201	2SB1188/QR/-W	TRANSISTOR		
Q1202	UN2213-X	DIGI TRANSISTOR		
Q2201	2SC2411K/QR/-X	TRANSISTOR		
D1201	MA111-X	SI DIODE		
D1202	MA111-X	SI DIODE		
D1203	MA111-X	SI DIODE		
D1204	MA111-X	SI DIODE		
D2201	PTZ3.9B-X	Z DIODE		
D2202	EC30HA03L-X	SB DIODE		
C1001	NBZ0007-107X	SP E CAPACITOR	100uF 4V M	
C1002	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1003	NBZ0007-107X	SP E CAPACITOR	100uF 4V M	
C1004	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1005	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1006	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1007	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1008	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1009	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1010	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C1011	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1012	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1016	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1017	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1018	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1019	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1020	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1021	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1022	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1025	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1026	NEHM0JM-336X	E CAPACITOR	33uF 6.3V M	
C1027	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1028	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1029	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1030	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1032	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1033	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1034	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1035	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1036	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1037	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1038	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1039	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1040	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1041	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1042	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1043	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C1044	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C1045	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C1201	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1202	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C1203	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1204	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1205	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1206	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1301	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1402	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1403	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1404	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1405	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1406	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1407	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1408	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1501	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2001	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C2002	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C2003	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C2004	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C2005	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2006	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2009	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C2010	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C2011	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C2012	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C2013	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C2014	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C2015	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2016	NBZ0010-396X	SP E CAPACITOR	39uF 16V M	
C2017	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C2018	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2019	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C2020	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C2022	NCB31HK-182X	C CAPACITOR	1800pF 50V K	
C2024	NCB31HK-182X	C CAPACITOR	1800pF 50V K	
C2025	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2026	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2027	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2028	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2029	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2030	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2031	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2033	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C2034	NCB31HK-182X	C CAPACITOR	1800pF 50V K	
C2035	NCB31HK-182X	C CAPACITOR	1800pF 50V K	
C2201	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C2202	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C2206	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C2208	NCB31CK-103X	C CAPACITOR	0.01uF 16V K	
C2209	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	
C2210	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C2213	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C2214	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C2215	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C2216	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C2217	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	
C2218	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	
C2220	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
R1002	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1003	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1004	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1006	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1008	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1010	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1011	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1012	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1013	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1015	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1016	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R1017	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1018	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1019	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1020	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1036	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1037	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1038	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1039	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1040	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1044	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1052	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1053	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1054	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1055	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1056	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1058	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1060	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1061	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1065	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1066	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1067	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1068	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1069	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1070	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1201	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R1202	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1203	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1204	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1205	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R1206	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R1207	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R1208	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R1209	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R1210	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R1211	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R1212	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R1213	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1214	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R1215	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R1216	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R1217	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1218	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R1219	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1220	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R1221	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1222	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R1223	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1224	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R1225	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1226	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1227	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1228	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R1229	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1230	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R1231	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1232	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1233	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1234	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1235	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1236	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1237	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1239	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1240	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1242	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1244	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1246	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1247	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1248	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
R1301	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1401	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1402	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1403	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1501	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1502	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1503	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1505	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1507	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1511	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2001	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2003	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2004	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2005	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R2006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2007	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2008	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2009	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2010	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2011	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2012	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R2013	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2014	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2015	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2016	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2017	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2018	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2019	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2020	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2021	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2022	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2025	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R2026	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R2027	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R2028	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R2029	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R2030	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R2031	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2032	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2034	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R2036	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R2037	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2039	NRSA63D-471X	MG RESISTOR	470Ω 1/16W D	
R2040	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2041	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2042	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R2043	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R2044	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R2046	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2047	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R2048	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2049	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2050	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2051	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2052	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
R2053	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
R2054	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
R2055	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
R2201	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2202	NRSA63D-153X	MG RESISTOR	15kΩ 1/16W D	
R2203	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D	
R2204	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2205	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
R2208	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R2209	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R2210	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
RA1001	NRZ0034-330W	NET RESISTOR	33Ω 1/32W J x4	
RA1002	NRZ0034-330W	NET RESISTOR	33Ω 1/32W J x4	
RA1003	NRZ0034-330W	NET RESISTOR	33Ω 1/32W J x4	
RA1004	NRZ0034-330W	NET RESISTOR	33Ω 1/32W J x4	
RA1005	NRZ0034-330W	NET RESISTOR	33Ω 1/32W J x4	
RA1006	NRZ0034-330W	NET RESISTOR	33Ω 1/32W J x4	
RA1007	NRZ0034-330W	NET RESISTOR	33Ω 1/32W J x4	
RA1008	NRZ0034-330W	NET RESISTOR	33Ω 1/32W J x4	
RA1401	NRZ0034-100W	NET RESISTOR	10Ω 1/32W J x4	
RA1402	NRZ0034-100W	NET RESISTOR	10Ω 1/32W J x4	
RA1403	NRZ0034-100W	NET RESISTOR	10Ω 1/32W J x4	
RA1404	NRZ0034-100W	NET RESISTOR	10Ω 1/32W J x4	
RA1405	NRZ0034-100W	NET RESISTOR	10Ω 1/32W J x4	
RA1406	NRZ0034-100W	NET RESISTOR	10Ω 1/32W J x4	
RA1407	NRZ0034-100W	NET RESISTOR	10Ω 1/32W J x4	
RA2001	NRZ0034-330W	NET RESISTOR	33Ω 1/32W J x4	
RA2002	NRZ0034-330W	NET RESISTOR	33Ω 1/32W J x4	
RA2003	NRZ0034-330W	NET RESISTOR	33Ω 1/32W J x4	
RA2004	NRZ0034-330W	NET RESISTOR	33Ω 1/32W J x4	
RA2005	NRZ0034-330W	NET RESISTOR	33Ω 1/32W J x4	
RA2006	NRZ0034-330W	NET RESISTOR	33Ω 1/32W J x4	
L2001	NQL092K-1R0X	COIL	1uH K	
L2002	NQL092K-1R0X	COIL	1uH K	
L2003	NQL092K-1R0X	COIL	1uH K	
L2201	NQL98EM-150X	COIL	15uH M	
L2202	NQL52EM-220X	COIL	22uH M	
CN1001	NNZ0132-001	MEMORY CARD CON		
CN1002	NNZ0119-001	CF CARD CONNE		
K1001	NQR0413-002X	FERRITE BEADS		
K1002	NQR0413-002X	FERRITE BEADS		
K1003	NQR0413-002X	FERRITE BEADS		
K1004	NQR0413-002X	FERRITE BEADS		
K1005	NQR0413-002X	FERRITE BEADS		
K1401	NQR0413-002X	FERRITE BEADS		
K1501	NQR0413-002X	FERRITE BEADS		
K2001	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K2002	NQR0413-002X	FERRITE BEADS		
K2003	NQR0413-002X	FERRITE BEADS		
K2004	NQR0413-002X	FERRITE BEADS		
K2201	NQR0413-002X	FERRITE BEADS		
X1001	NAX0587-001X	CXO	54.0000MHz	

REMOCON P.W. BOARD ASS'Y (SRA-8001A-M2)

REFER TO PARTS LIST IN PAGE 3-33 FOR THIS P.W. BOARD.

THERMO P.W. BOARD ASS'Y (SRA-8201A-M2)

REFER TO PARTS LIST IN PAGE 3-33 FOR THIS P.W. BOARD.

IRIS P.W. BOARD ASS'Y (SRA-8301A-M2)

REFER TO PARTS LIST IN PAGE 3-33 FOR THIS P.W. BOARD.

POWER P.W. BOARD ASS'Y (SRA-9001A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC9141	BA50BC0FP-X	IC		
IC9211	MC33262D-X	IC		
IC9301	BAJ5CC0FP-X	IC		
IC9501	STR-W6754-F5	IC		
IC9701	PQ120RDA1SZ	IC		
IC9721	PQ1CG2032FZ	IC		
IC9741	PQ1CG2032FZ	IC		
Q9021	2SC3928A/QR/-X	TRANSISTOR		
Q9211	2SK2698-LB	POWER MOS FET		
Q9212	2SC3928A/QR/-X	TRANSISTOR		
Q9213	IMD3A-W	TRANSISTOR		
Q9215	2SC3928A/QR/-X	TRANSISTOR		
Q9241	UN2211-X	TRANSISTOR		
Q9251	UN2213-X	DIGI TRANSISTOR		
Q9252	UN2213-X	DIGI TRANSISTOR		
Q9253	UN2211-X	TRANSISTOR		
Q9254	UN2211-X	TRANSISTOR		
Q9255	2SC3928A/QR/-X	TRANSISTOR		
Q9281	2SA1530A/QR/-X	TRANSISTOR		
Q9282	2SC3928A/QR/-X	TRANSISTOR		
Q9283	2SC3928A/QR/-X	TRANSISTOR		
Q9284	UN2211-X	TRANSISTOR		
Q9721	2SC3074/OY/-X	TRANSISTOR		
Q9821	2SC3928A/QR/-X	TRANSISTOR		
Q9831	2SC3928A/QR/-X	TRANSISTOR		
Q9841	2SC3928A/QR/-X	TRANSISTOR		
Q9851	2SA1530A/QR/-X	TRANSISTOR		
Q9852	UN2213-X	DIGI TRANSISTOR		
Q9853	UN2213-X	DIGI TRANSISTOR		
Q9861	2SC3928A/QR/-X	TRANSISTOR		
D9001	UDZS4.7B-X	Z DIODE		
D9021	1SS355-X	SI DIODE		
D9111	S1WB/A/60-4101	BRIDGE DIODE		
⚠D9201	RBV-606	BRIDGE DIODE		
D9202	1SS355-X	SI DIODE		
D9211	YG972S6R	SI DIODE		
D9213	1SS355-X	SI DIODE		
D9214	1SS355-X	SI DIODE		
D9251	UDZS6.8B-X	Z DIODE		
D9252	1SS355-X	SI DIODE		
D9253	1SS355-X	SI DIODE		
D9254	D1FL20U-X	SI DIODE		
D9281	UDZS2.4B-X	Z DIODE		
D9282	1SS355-X	SI DIODE		
D9301	D1FS4-X	SB DIODE		
D9501	SARS01-T2	SI DIODE		
D9502	SARS01-T2	SI DIODE		
D9503	FR105GT-T3	SI DIODE		
D9504	D1FS4-X	SB DIODE		
D9505	MTZJ33B-T2	Z DIODE		
D9506	D1FL20U-X	SI DIODE		
D9507	1SS355-X	SI DIODE		
D9510	1SS355-X	SI DIODE		
D9511	D1FS4-X	SB DIODE		
D9512	D1FL20U-X	SI DIODE		
D9514	MTZJ13B-T2	Z DIODE		
D9551	HER202G-FL	SI DIODE		
D9552	HER202G-FL	SI DIODE		
D9553	FME-220A	SB DIODE		
D9554	FR105GT-T3	SI DIODE		
D9555	MTZJ15B-T2	Z DIODE		
D9556	MTZJ16C-T2	Z DIODE		
D9557	FR105GT-T3	SI DIODE		
D9601	UTCTL431-T	IC		
D9701	D1FS4-X	SB DIODE		
D9702	1SS355-X	SI DIODE		
D9721	EC30HA03L-X	SB DIODE		
D9722	EC30HA03L-X	SB DIODE		
D9723	MTZJ11B-T2	Z DIODE		
D9741	EC30HA03L-X	SB DIODE		
D9742	EC30HA03L-X	SB DIODE		
D9743	MTZJ6.8B-T2	Z DIODE		
D9821	1SS355-X	SI DIODE		
D9831	1SS355-X	SI DIODE		
D9832	UDZS5.6B-X	Z DIODE	1.5kΩ 1/10W J	
D9841	1SS355-X	SI DIODE		
D9842	1SS355-X	SI DIODE		
D9851	UDZS5.1B-X	Z DIODE		
D9852	1SS355-X	SI DIODE		
D9861	1SS355-X	SI DIODE		
D9862	1SS355-X	SI DIODE		
⚠C9001	QFZ9072-105	MM CAPACITOR	1uF AC250V K	
⚠C9002	QFZ9072-105	MM CAPACITOR	1uF AC250V K	
⚠C9011	QCZ9079-102	C CAPACITOR	1000pF AC250V M	
⚠C9013	QCZ9079-102	C CAPACITOR	1000pF AC250V M	
⚠C9101	QCZ9078-472	C CAPACITOR	4700pF AC250V M	
⚠C9102	QCZ9078-472	C CAPACITOR	4700pF AC250V M	
⚠C9103	QCZ9078-472	C CAPACITOR	4700pF AC250V M	
C9111	QEHQ2GM-226	E CAPACITOR	22uF 400V M	
C9112	QEHR1HM-105Z	E CAPACITOR	1uF 50V M	
C9141	QECR1CM-477Z	E CAPACITOR	470uF 16V M	
C9142	QEHR1AM-337Z	E CAPACITOR	330uF 10V M	
C9143	QEHR1CM-107Z	E CAPACITOR	100uF 16V M	
⚠C9191	QCZ9079-222	C CAPACITOR	2200pF AC250V M	
⚠C9193	QCZ9079-102	C CAPACITOR	1000pF AC250V M	
⚠C9201	QCZ9078-222	C CAPACITOR	2200pF AC250V M	
⚠C9202	QCZ9078-222	C CAPACITOR	2200pF AC250V M	
⚠C9203	QCZ9078-222	C CAPACITOR	2200pF AC250V M	
⚠C9204	QCZ9078-222	C CAPACITOR	2200pF AC250V M	
C9211	QFZ0213-155	MM CAPACITOR	1.5uF 400V K	
C9212	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9213	NCB21CK-684X	C CAPACITOR	0.68uF 16V K	
C9214	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C9215	QEHR1VM-476Z	E CAPACITOR	47uF 35V M	
C9216	QEZ0771-227	E CAPACITOR	220uF	
C9217	QCZ0340-471	C CAPACITOR	470pF 2kV K	
C9218	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9219	QCZ0340-471	C CAPACITOR	470pF 2kV K	
C9221	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C9241	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9251	QEHR1EM-107Z	E CAPACITOR	100uF 25V M	
C9252	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	
C9281	QEHR1HM-226Z	E CAPACITOR	22uF 50V M	
C9301	QEHR1EM-107Z	E CAPACITOR	100uF 25V M	
C9302	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C9303	NCF11EZ-105X	C CAPACITOR	1uF 25V Z	
C9501	QFP32JK-332	PP CAPACITOR	3300pF 630V K	
C9503	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
C9504	QEHR1VM-476Z	E CAPACITOR	47uF 35V M	
C9505	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C9506	QEHR1HM-105Z	E CAPACITOR	1uF 50V M	
C9507	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C9508	QCZ0340-471	C CAPACITOR	470pF 2kV K	
C9510	QEHR1HM-107Z	E CAPACITOR	100uF 50V M	
C9511	QEHR1HM-107Z	E CAPACITOR	100uF 50V M	
C9512	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9555	QECQ1EM-188	E CAPACITOR	1800uF 25V M	
C9556	QECQ1EM-188	E CAPACITOR	1800uF 25V M	
C9557	QECQ1EM-188	E CAPACITOR	1800uF 25V M	
C9559	QEHR2AM-106Z	E CAPACITOR	10uF 100V M	
C9560	QEHR1HM-105Z	E CAPACITOR	1uF 50V M	
C9562	QEHR1EM-477Z	E CAPACITOR	470uF 25V M	
C9563	QEHR1VM-108Z	E CAPACITOR	1000uF 35V M	
C9564	QEHR1VM-108Z	E CAPACITOR	1000uF 35V M	
C9568	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9569	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9603	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C9701	QEHR1HM-106Z	E CAPACITOR	10uF 50V M	
C9702	QEHR1CM-107Z	E CAPACITOR	100uF 16V M	
C9721	QEHR1EM-477Z	E CAPACITOR	470uF 25V M	
C9722	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C9723	QEZ0255-128	E CAPACITOR	1200uF 16V M	
C9725	QEHR1HM-105Z	E CAPACITOR	1uF 50V M	
C9741	QEHR1EM-477Z	E CAPACITOR	470uF 25V M	
C9742	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C9743	QECR1AM-128Z	E CAPACITOR	1200uF 10V M	
C9831	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C9851	QEHR1CM-107Z	E CAPACITOR	100uF 16V M	
C9852	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C9871	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9872	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9873	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9874	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9875	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9876	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9877	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9878	NCB31HK-102X	C CAPACITOR	1000pF 50V K	

⚠Ref No.	Part No.	Part Name	Description	Local
C9879	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9880	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9881	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9882	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9883	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9884	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9895	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9902	QCB32HK-102Z	C CAPACITOR	1000pF 500V K	
⚠R9001	QRZ9046-105Z	C RESISTOR	1MΩ 1/2W K	
R9003	QRE121J-473Y	C RESISTOR	47kΩ 1/2W J	
R9004	QRE121J-473Y	C RESISTOR	47kΩ 1/2W J	
R9021	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R9022	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
⚠R9101	QRZ0216-4R7	UNF WW RESISTOR	4.7Ω 7W K	
R9148	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
⚠R9191	QRZ9046-685Z	C RESISTOR	6.8MΩ 1/2W K	
⚠R9201	QRZ0121-200	UNF WW RESISTOR	20Ω 5W J	
R9203	QRG01GJ-221	OMF RESISTOR	220Ω 1W J	
R9211	NRS12BJ-474W	MG RESISTOR	470kΩ 1/2W J	
R9212	NRS12BJ-474W	MG RESISTOR	470kΩ 1/2W J	
R9213	NRS12BJ-334W	MG RESISTOR	330kΩ 1/2W J	
R9214	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R9215	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R9216	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R9217	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R9218	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9219	NRS12BJ-223W	MG RESISTOR	22kΩ 1/2W J	
R9220	QRM059J-R22	MP RESISTOR	0.22Ω 5W J	
R9221	QRM059J-R22	MP RESISTOR	0.22Ω 5W J	
R9222	NRS12BJ-334W	MG RESISTOR	330kΩ 1/2W J	
R9223	NRS12BJ-334W	MG RESISTOR	330kΩ 1/2W J	
R9224	NRS12BJ-394W	MG RESISTOR	390kΩ 1/2W J	
R9225	NRS12BJ-334W	MG RESISTOR	330kΩ 1/2W J	
R9226	NRS12BJ-334W	MG RESISTOR	330kΩ 1/2W J	
R9227	NRS12BJ-394W	MG RESISTOR	390kΩ 1/2W J	
R9228	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9233	NRS12BJ-474W	MG RESISTOR	470kΩ 1/2W J	
R9236	NRS12BJ-474W	MG RESISTOR	470kΩ 1/2W J	
R9237	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9241	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R9243	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R9244	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R9251	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9253	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R9254	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9255	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R9256	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R9257	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R9258	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R9259	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9281	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R9282	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R9283	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R9284	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R9285	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R9287	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9288	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R9289	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R9290	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R9291	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R9292	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R9301	NRS12BJ-122W	MG RESISTOR	1.2kΩ 1/2W J	
R9503	QRE121J-394Y	C RESISTOR	390kΩ 1/2W J	
R9504	QRE121J-394Y	C RESISTOR	390kΩ 1/2W J	
R9505	QRL039J-220	OMF RESISTOR	22Ω 3W J	
⚠R9506	QRZ9017-120	FUSI RESISTOR	12Ω 1/4W J	
R9507	NRS12BJ-100W	MG RESISTOR	10Ω 1/2W J	
R9508	NRS12BJ-122W	MG RESISTOR	1.2kΩ 1/2W J	
R9510	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9511	QRK126J-101X	UNF C RESISTOR	100Ω 1/2W J	
R9512	QRX01GJ-R33	MF RESISTOR	0.33Ω 1W J	
R9514	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
⚠R9515	QRZ9009-4R7	FUSI RESISTOR	4.7Ω 1/2W J	
R9516	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R9520	QRL029J-223	OMF RESISTOR	22kΩ 2W J	
R9556	QRG01GJ-102	OMF RESISTOR	1kΩ 1W J	
R9557	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J	
R9562	QRL029J-220	OMF RESISTOR	22Ω 2W J	
R9564	NRS12BJ-0R0W	MG RESISTOR	0Ω 1/2W J	
R9565	NRS12BJ-0R0W	MG RESISTOR	0Ω 1/2W J	
R9601	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9602	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9605	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R9606	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9607	NRSA63D-272X	MG RESISTOR	2.7kΩ 1/16W D	
R9608	NRSA63D-183X	MG RESISTOR	18kΩ 1/16W D	
R9701	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9721	NRSA63D-563X	MG RESISTOR	56kΩ 1/16W D	
R9722	NRSA63D-152X	MG RESISTOR	1.5kΩ 1/16W D	
R9723	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9724	NRSA63D-153X	MG RESISTOR	15kΩ 1/16W D	
R9725	NRS12BJ-331W	MG RESISTOR	330Ω 1/2W J	
R9727	NRS12BJ-101W	MG RESISTOR	100Ω 1/2W J	
R9741	NRSA63D-333X	MG RESISTOR	33kΩ 1/16W D	
R9742	NRSA63D-302X	MG RESISTOR	3kΩ 1/16W D	
R9743	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9744	NRSA63D-153X	MG RESISTOR	15kΩ 1/16W D	
R9821	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R9822	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R9823	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9831	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R9832	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R9833	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9834	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R9841	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R9842	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R9843	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R9844	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9851	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9852	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R9853	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R9854	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R9855	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9861	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9862	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9863	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R9864	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R9865	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R9866	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9871	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9873	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9877	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9878	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L9141	QQL26AK-470Z	CHOKE COIL	47uH K	
⚠L9202	QQR1468-001	CHOKE COIL		
L9551	QQL26AM-3R3Z	CHOKE COIL	3.3uH M	
L9552	QQL26AM-3R3Z	CHOKE COIL	3.3uH M	
L9553	QQL26AM-3R3Z	CHOKE COIL	3.3uH M	
L9721	QQR1401-001	CHOKE COIL		
L9741	QQR1401-001	CHOKE COIL		
⚠T9121	QAL0724-001	POWER TRANSF		
⚠T9501	QQS0365-001	SW TRANSF		
⚠CP9121	QMFZ052-2R0-E	FUSE	2A AC250V	
⚠CP9211	QMFZ043-5R0Z-J1	FUSE	5A AC250V	
⚠CP9554	ICP-N50-T	IC PROTECTOR	2.0A	
⚠CP9555	ICP-N50-T	IC PROTECTOR	2.0A	
⚠CP9556	ICP-N70-T	IC PROTECTOR	2.5A	
⚠CP9557	ICP-N70-T	IC PROTECTOR	2.5A	
⚠F9001	QMF5AD2-6R3-J1	FUSE	6.3A AC250V	
K9111	NQR0413-003X	FERRITE BEADS		
K9211	QQR0621-002Z	FERRITE BEADS		
K9212	QQR0621-002Z	FERRITE BEADS		
K9501	QQR0621-002Z	FERRITE BEADS		
K9502	QQR0621-002Z	FERRITE BEADS		
K9551	QQR0621-002Z	FERRITE BEADS		
K9552	QQR0621-002Z	FERRITE BEADS		
⚠LF9001	QQR1542-001	LINE FILTER		
⚠LF9002	QQR1466-001	LINE FILTER		
⚠LF9003	QQR1467-001	LINE FILTER		
⚠PC9001	PS2581AL1/QW/	PHOTO COUPLER		
⚠PC9241	PS2581AL1/QW/	PHOTO COUPLER		
⚠PC9281	PS2581AL1/QW/	PHOTO COUPLER		
⚠PC9501	PS2581AL1/QW/	PHOTO COUPLER		
⚠RY9021	QSK0162-001	RELAY		
⚠RY9201	QSK0163-001	RELAY		
⚠VA9001	QAF0060-621	VARISTOR	620V	

DIGITAL P.W. BOARD ASS'Y (SRA0D001A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC6001	JCC5060	IC		
IC6002	SN74LVC1G08V-X	IC		
IC6011	SN74CBQ16211G-X	IC		
IC6012	SN74CBQ3306AU-X	IC		
IC6013	SN74CBQ3306AU-X	IC		
IC6101	EDD1232AAFA-6B	IC		
IC6102	LP2996MR-X	IC		
IC6250	UPC5702GS-027-X	IC		
IC6251	R1170H331B-X	IC		
IC6401	ISL98001CQZ-140	IC		
IC6402	R1170H331B-X	IC		
IC6501	THC63LVD1023	IC		
IC6724	S-80928CLNB-G-W	IC		
IC7033	CD74HC4094PW-X	IC		
IC7036	ADC081S021CIS-X	IC		
IC7203	M12L16161A-7TG	IC		
IC7204	S-80928CLNB-G-W	IC		
IC7205	SN74LV00APW-X	IC		
IC7602	ATF16-70FH96	IC	(SERVICE)	
IC7603	SN74AHCT1G08V-X	IC		
IC7604	SN74LVC1G04V-X	IC		
IC7605	MM1673XN-X	IC		
IC7606	MM1673XN-X	IC		
IC7607	ICL3221CAZ-X	IC		
IC9001	MP2263DN-C053-X	IC		
IC9101	MM1662FT-X	IC		
IC9201	MP2263DN-C053-X	IC		
IC9301	MM1701CH-X	IC		
Q6201	2SA1530A/QR/-X	TRANSISTOR		
Q6202	2SA1530A/QR/-X	TRANSISTOR		
Q6203	2SA1022/BC/-X	TRANSISTOR		
Q6204	2SA1022/BC/-X	TRANSISTOR		
Q6205	2SA1022/BC/-X	TRANSISTOR		
Q6206	2SA1022/BC/-X	TRANSISTOR		
Q6211	2SC3837K/NP/-X	TRANSISTOR		
Q6212	2SC3837K/NP/-X	TRANSISTOR		
Q6213	2SC3837K/NP/-X	TRANSISTOR		
Q6214	2SC3837K/NP/-X	TRANSISTOR		
Q6250	2SC3928A/QR/-X	TRANSISTOR		
Q6251	2SC3928A/QR/-X	TRANSISTOR		
Q7030	UN2213-X	DIGI TRANSISTOR		
Q7032	UN2113-X	TRANSISTOR		
Q7033	UN2113-X	TRANSISTOR		
Q7034	UN2113-X	TRANSISTOR		
Q7035	UN2113-X	TRANSISTOR		
Q7201	2SC3928A/QR/-X	TRANSISTOR		
Q7501	UN2213-X	DIGI TRANSISTOR		
Q9501	UN2213-X	DIGI TRANSISTOR		
Q9502	2SC3928A/QR/-X	TRANSISTOR		
Q9503	2SC3928A/QR/-X	TRANSISTOR		
D6052	1SS355-X	SI DIODE		
D7201	RB501V-40-X	SB DIODE		
D7501	1SS355-X	SI DIODE		
D7502	1SS355-X	SI DIODE		
D7601	1SS355-X	SI DIODE		
D7604	MA8120-X	Z DIODE		
D7605	MA8120-X	Z DIODE		
D7606	MA8120-X	Z DIODE		
D7607	MA8120-X	Z DIODE		
D9001	EC30HA03L-X	SB DIODE		
D9002	EC30HA03L-X	SB DIODE		
D9003	PTZ3.9B-X	Z DIODE		
D9201	EC30HA03L-X	SB DIODE		
D9202	EC30HA03L-X	SB DIODE		
D9203	PTZ3.9B-X	Z DIODE		
D9501	1SS355-X	SI DIODE		
D9502	1SS355-X	SI DIODE		
C6002	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6031	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6051	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	
C6052	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C6053	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C6054	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6055	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6101	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C6103	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6107	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6109	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6111	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6112	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6113	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6114	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6116	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6117	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C6118	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6119	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6121	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C6122	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M	
C6123	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6124	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M	
C6125	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6126	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C6128	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C6130	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C6132	NEHL1EM-226X	E CAPACITOR	22uF 25V M	
C6133	NCB31CK-154X	C CAPACITOR	0.15uF 16V K	
C6134	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6135	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6139	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6217	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6218	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6236	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6237	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6238	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6239	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6241	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6242	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C6243	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6244	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C6245	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6246	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C6247	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6248	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C6249	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C6250	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6251	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6252	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6253	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6254	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6255	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6260	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C6261	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C6262	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C6263	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C6268	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6270	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6271	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6272	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6273	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6274	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6276	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6277	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6278	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6279	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6280	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6282	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6283	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6284	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6285	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6286	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6288	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6289	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6290	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6291	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6293	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6294	NBZ0007-107X	SP E CAPACITOR	100uF 4V M	
C6295	NBZ0007-107X	SP E CAPACITOR	100uF 4V M	
C6296	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6297	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6298	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C6402	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6403	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6406	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6409	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6410	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6411	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6412	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6413	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6414	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6415	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C6416	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6417	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6418	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6419	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6420	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6422	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6423	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6424	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6425	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6428	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6429	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6430	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6431	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6432	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6433	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	

⚠Ref No.	Part No.	Part Name	Description	Local
C6434	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6435	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6436	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6437	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6438	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6439	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6440	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6441	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6501	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6502	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6503	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6504	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6505	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6506	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6507	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6508	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6509	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6510	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6511	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6512	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6513	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6514	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6515	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6520	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6571	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C6601	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6602	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6603	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6610	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6611	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6612	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6613	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6614	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6615	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6616	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6617	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6618	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6619	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6620	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6621	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6622	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6623	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6624	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6625	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6626	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6627	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6628	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6629	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6630	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6631	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6632	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6633	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6634	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6635	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6636	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6637	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6638	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6639	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6640	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6641	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6642	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6643	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6644	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6645	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6654	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6656	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6657	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6658	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6659	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6660	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6661	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6677	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6678	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6679	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6680	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6681	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6682	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6683	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6684	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6685	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6686	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6687	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6688	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6689	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6690	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6691	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6692	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6693	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6694	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6695	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	

⚠Ref No.	Part No.	Part Name	Description	Local
C6696	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6697	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6698	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6699	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C6701	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C6723	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C6724	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C6901	NBZ0007-107X	SP E CAPACITOR	100uF 4V M	
C6902	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6903	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6904	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6905	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6906	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6907	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6908	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6909	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6910	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6911	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6912	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6913	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6914	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6915	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6916	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6917	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6918	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6919	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6921	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6922	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6923	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6924	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6925	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6926	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6927	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6928	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7039	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C7044	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7051	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7052	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7053	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7054	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7055	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7056	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7057	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7058	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7059	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7060	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7061	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7062	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7063	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7064	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7065	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7066	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7067	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7068	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7073	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7202	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7203	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7204	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7205	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7206	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7207	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7208	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7209	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7211	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C7212	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7213	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7214	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C7215	QCS31HJ-330Z	C CAPACITOR	33pF 50V J	
C7501	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C7504	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C7505	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C7506	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C7507	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C7508	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C7510	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C7511	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C7601	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C7602	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7603	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7604	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C7605	NCB31HK-221X	C CAPACITOR	220pF 50V K	
C7606	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C7607	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C7608	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7609	NCB31HK-681X	C CAPACITOR	680pF 50V K	
C7610	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C7611	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C7612	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	
C7615	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7616	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	

⚠Ref No.	Part No.	Part Name	Description	Local
C7617	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7618	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C7619	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C7620	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C7621	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C7622	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7623	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7624	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7625	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7626	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C7629	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C7630	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7631	NCB31AK-224X	C CAPACITOR	0.22uF 10V K	
C7632	NCB31AK-224X	C CAPACITOR	0.22uF 10V K	
C9001	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C9002	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	
C9003	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C9004	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9005	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9006	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C9007	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9010	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9101	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	
C9103	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C9201	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C9202	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	
C9203	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C9204	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9205	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9206	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
C9207	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	
C9208	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	
C9301	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9302	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	
C9303	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9304	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	
C9313	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9314	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9501	NCB31CK-105X	C CAPACITOR	1uF 16V K	
C9502	NCB31CK-105X	C CAPACITOR	1uF 16V K	
R6002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6009	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6014	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6017	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6018	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6019	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6020	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6055	NRS181J-0R0X	MG RESISTOR	0Ω 1/8W J	
R6057	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6058	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6059	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6060	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6061	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6064	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6065	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6066	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6068	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
R6072	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6073	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6074	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6075	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6101	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6102	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6103	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6104	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6105	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6106	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6107	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R6108	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R6109	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6110	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6111	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6112	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6113	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6114	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6115	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6116	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6117	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6118	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6119	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6120	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6121	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6122	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R6127	NRSA63J-1R5X	MG RESISTOR	1.5Ω 1/16W J	
R6141	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6142	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R6201	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6202	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6203	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6204	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6207	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6209	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6214	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6215	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6216	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6217	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6223	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6224	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6225	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6226	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6230	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6231	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6232	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6233	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6235	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6236	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R6238	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6239	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R6241	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6242	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R6244	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6245	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R6248	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6249	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R6251	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6252	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6253	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6254	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R6255	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R6256	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6257	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6258	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R6259	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R6260	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6261	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6262	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R6263	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R6264	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6265	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6266	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R6267	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R6268	NRSA63D-242X	MG RESISTOR	2.4kΩ 1/16W D	
R6269	NRSA63D-242X	MG RESISTOR	2.4kΩ 1/16W D	
R6270	NRSA63D-242X	MG RESISTOR	2.4kΩ 1/16W D	
R6271	NRSA63D-242X	MG RESISTOR	2.4kΩ 1/16W D	
R6273	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6274	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6275	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6276	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6279	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6280	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R6281	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6282	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R6283	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6284	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6285	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6286	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R6287	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R6288	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R6289	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6291	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6292	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6294	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6295	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6296	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6297	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6298	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6299	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R6401	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6402	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R6403	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R6404	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6405	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6408	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6409	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6410	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R6411	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R6412	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6414	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6415	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6416	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6417	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6419	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R6421	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R6423	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6424	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R6425	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6426	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6427	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6428	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6501	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6502	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6503	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6505	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6508	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6509	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6511	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6514	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6568	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6571	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6572	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6573	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6575	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6576	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6592	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6602	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6605	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6607	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6609	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6611	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6707	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6712	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6713	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6730	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6731	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6732	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6733	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6921	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6922	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6923	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6924	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7030	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7031	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7032	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R7033	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7034	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7035	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7036	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7040	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R7041	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R7047	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7049	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7051	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7052	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7054	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7055	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7056	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7057	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7058	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7059	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7060	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R7061	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7062	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7063	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7064	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7065	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7066	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R7067	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R7068	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7069	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7070	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7071	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7081	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7083	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7084	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R7085	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R7086	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7087	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7088	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7089	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7090	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7091	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7092	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7093	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7094	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7095	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7097	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7098	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7099	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7100	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7103	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7106	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7107	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7109	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7110	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7112	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7113	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7123	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7124	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7125	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7127	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7128	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7131	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7157	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7170	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7171	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7172	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7173	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7174	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7175	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7176	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7177	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7178	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7179	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7184	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7187	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7201	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7202	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7203	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7207	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7208	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7211	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7214	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7215	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7217	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7221	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7223	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7224	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7225	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R7229	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7230	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7231	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R7232	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R7234	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R7235	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7237	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R7349	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7350	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7351	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7502	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7504	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R7505	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7534	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7601	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7602	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7603	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7604	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7605	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R7606	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R7607	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R7608	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R7609	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7610	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7611	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7612	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R7613	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7614	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7615	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7616	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7618	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7620	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7622	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7623	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7624	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7625	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7626	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7627	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7628	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R7629	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7631	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7632	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7634	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7635	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R7636	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7637	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7639	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7640	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7643	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7646	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7649	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7652	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7653	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7655	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R7656	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R7657	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R7658	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R8781	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R8796	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8797	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8798	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8799	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9001	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9002	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9003	NRSA63D-273X	MG RESISTOR	27kΩ 1/16W D	
R9004	NRSA63J-684X	MG RESISTOR	680kΩ 1/16W J	
R9005	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9006	NRSA63J-512X	MG RESISTOR	5.1kΩ 1/16W J	
R9007	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9201	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9202	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9203	NRSA63D-302X	MG RESISTOR	3kΩ 1/16W D	
R9205	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9206	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R9207	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9209	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9306	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
R9308	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9501	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R9502	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R9503	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
R9504	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R9505	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9506	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R9507	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9508	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R9509	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9510	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
RA6001	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6002	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA6007	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6008	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6009	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA6010	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA6011	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6101	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
RA6102	NRZ0080-220X	NET RESISTOR	22Ω	
RA6103	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
RA6104	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
RA6105	NRZ0080-220X	NET RESISTOR	22Ω	
RA6106	NRZ0040-220X	NET RESISTOR	22Ω 1/16W J x4	
RA6107	NRZ0080-220X	NET RESISTOR	22Ω	
RA6108	NRZ0080-220X	NET RESISTOR	22Ω	
RA6109	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4	
RA6110	NRZ0080-470X	NET RESISTOR	47Ω	
RA6111	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4	
RA6112	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4	
RA6113	NRZ0080-470X	NET RESISTOR	47Ω	
RA6114	NRZ0040-470X	NET RESISTOR	47Ω 1/16W J x4	
RA6115	NRZ0080-470X	NET RESISTOR	47Ω	
RA6116	NRZ0080-470X	NET RESISTOR	47Ω	
RA6401	NRZ0080-330X	NET RESISTOR	33Ω 1/16W J	
RA6402	NRZ0080-330X	NET RESISTOR	33Ω 1/16W J	
RA6403	NRZ0080-330X	NET RESISTOR	33Ω 1/16W J	
RA6501	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA6502	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA6503	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA6504	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6505	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6506	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6541	NRZ0033-0R0W	NET RESISTOR	0Ω	
RA6542	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6543	NRZ0033-0R0W	NET RESISTOR	0Ω	
RA6544	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA6545	NRZ0033-0R0W	NET RESISTOR	0Ω	
RA6546	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
RA7202	NRZ0080-473X	NET RESISTOR	47kΩ	
RA7203	NRZ0080-473X	NET RESISTOR	47kΩ	
RA7204	NRZ0080-473X	NET RESISTOR	47kΩ	
RA7205	NRZ0080-473X	NET RESISTOR	47kΩ	
RA7503	NQR0271-001X	EMI FILTEROR		
RA7601	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA7602	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA7603	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA7605	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RA7606	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J x4	
L6051	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L6101	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L6102	NQL79GM-220X	COIL	22uH M	
L6103	NQL79GM-220X	COIL	22uH M	
L6105	NQR0489-002X	FERRITE BEADS		
L6254	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
L6255	NQR0489-002X	FERRITE BEADS		
L6256	NQR0489-002X	FERRITE BEADS		

⚠Ref No.	Part No.	Part Name	Description	Local
L6402	NQL79GM-100X	COIL	10uH M	
L6403	NQL79GM-100X	COIL	10uH M	
L6404	NQL79GM-100X	COIL	10uH M	
L6501	NQR0351-001X	FERRITE BEADS		
L6511	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
L6512	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
L6513	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
L6514	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
L6515	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
L6516	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
L6701	NQR0413-003X	FERRITE BEADS		
L6901	NQR0413-003X	FERRITE BEADS		
L6902	NQR0413-003X	FERRITE BEADS		
L6921	NQR0489-002X	FERRITE BEADS		
L6922	NQL79GM-220X	COIL	22uH M	
L6923	NQL79GM-220X	COIL	22uH M	
L6924	NQL79GM-220X	COIL	22uH M	
L6925	NQL79GM-220X	COIL	22uH M	
L7501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L7502	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L9001	NQLC8CM-150X	COIL	15uH M	
L9201	NQLC8CM-150X	COIL	15uH M	
CN011	QGF0508F1-50X	CONNECTOR	FFC/FPC (1-50)	
CN012	QGF0508F1-40X	CONNECTOR	FFC/FPC (1-40)	
CN110	QGB0603L1-B0	CONNECTOR	B-B (1-110)	
J7601	QNZ0587-001	D CONNECTOR	RS-232C	
J8501	NNZ0117-001	HDMI CONNECTOR	DIGITAL-IN-2	
J8502	NNZ0117-001	HDMI CONNECTOR	DIGITAL-IN-1	
K6052	NQR0489-002X	FERRITE BEADS		
K6250	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K6261	NQR0489-002X	FERRITE BEADS		
K6262	NQR0489-002X	FERRITE BEADS		
K6263	NQR0489-002X	FERRITE BEADS		
K6264	NQR0489-002X	FERRITE BEADS		
K6265	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K6266	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K6267	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K6268	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K6401	NQR0499-001X	FERRITE BEADS		
K6402	NQR0499-001X	FERRITE BEADS		
K6403	NQR0499-001X	FERRITE BEADS		
K6404	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K6405	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K6921	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K7032	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K7033	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K7034	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K7201	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K7501	NQR0413-002X	FERRITE BEADS		
K7504	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K7601	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
LC7505	NQR0483-005X	EMI FILTER	100uF 25V Z	
LC9301	NQR0470-003X	EMI FILTER	100pF 50V +50%-20%	
LC9303	NQR0483-005X	EMI FILTER	100uF 25V Z	
LC9305	NQR0483-005X	EMI FILTER	100uF 25V Z	
LC9307	NQR0483-005X	EMI FILTER	100uF 25V Z	
X6250	NAX0580-001X	CXO	27.0000MHz	
X7001	NAX0669-001X	CRYSTAL		
X7601	NAX0613-001X	C RESONATOR		

S CONTROL P.W. BOARD ASS'Y (SRA0L001A-M2)

REFER TO PARTS LIST IN PAGE 3-41 FOR THIS P.W. BOARD.

FRONT LED P.W. BOARD ASS'Y (SRA0L101A-M2)

REFER TO PARTS LIST IN PAGE 3-41 FOR THIS P.W. BOARD.

LAMP COVER SW P.W. BOARD ASS'Y (SRA0L201A-M2)

REFER TO PARTS LIST IN PAGE 3-41 FOR THIS P.W. BOARD.

TUNER P.W. BOARD ASS'Y (SRA0R001A-M2)

REFER TO PARTS LIST IN PAGE 3-41 FOR THIS P.W. BOARD.

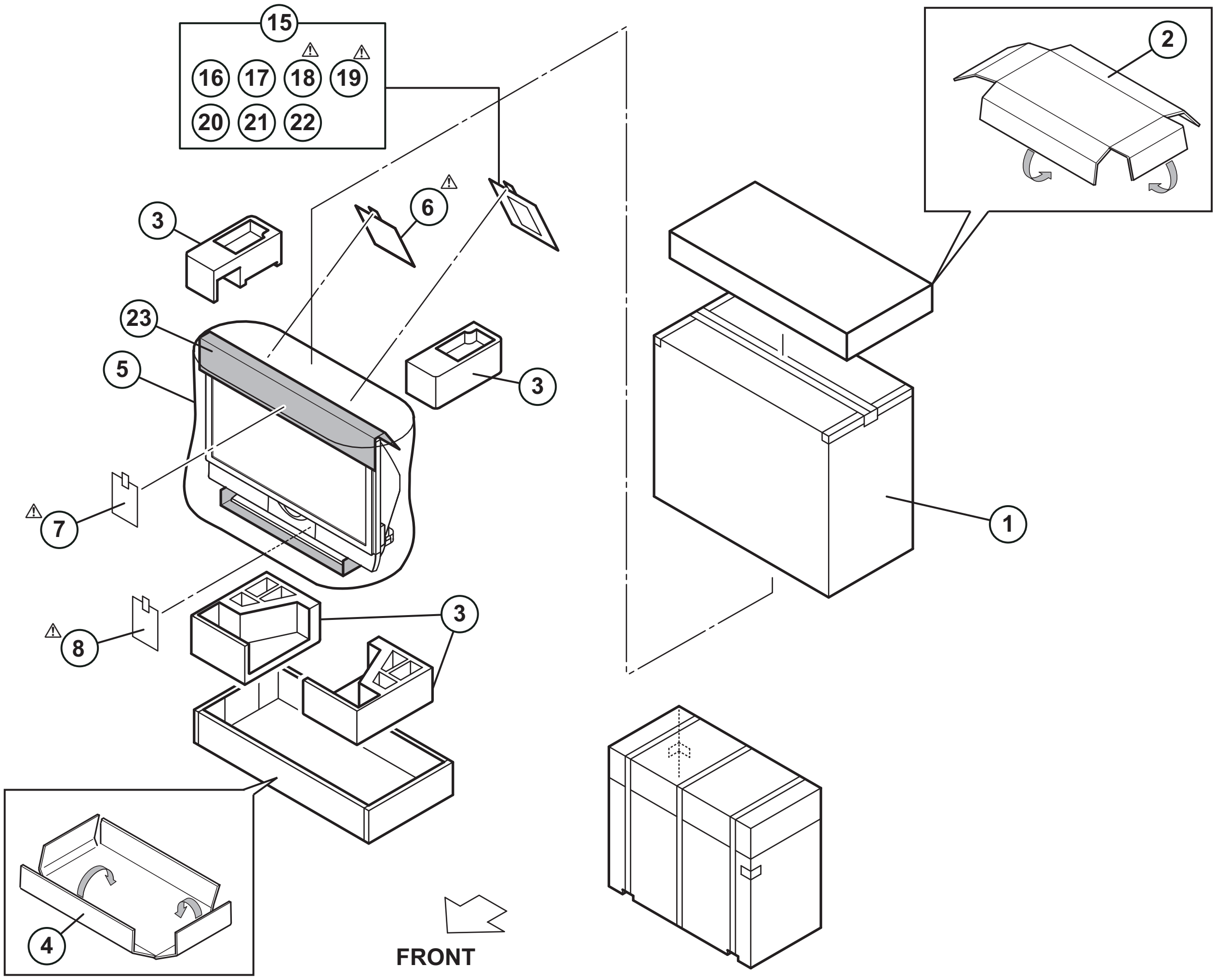
ATSC TUNER MODULE P.W. BOARD ASS'Y (SSD-2105A-M2)

REFER TO PARTS LIST IN PAGE 3-42 FOR THIS P.W. BOARD.

REMOTE CONTROL UNIT PARTS LIST (RM-C14G-1H)

⚠	Ref.No.	Part No.	Part Name	Description	Local
		UR77EC1403A	BATTERY COVER		

PACKING



PACKING PARTS LIST

⚠	Ref.No.	Part No.	Part Name	Description	Local
	1	LC12428-001B-A	PACKING CASE		HD-56FH96
	1	LC12022-002C-A	PACKING CASE		HD-61FH96
	1	LC12022-003A-A	PACKING CASE		HD-70FH96
	2	LC12425-001A-A	TOP CASE		HD-56FH96
	2	LC12031-002B-A	TOP CASE		HD-61FH96
	2	LC12031-003A-A	TOP CASE		HD-70FH96
	3	LC12427-001A-A	CUSHION ASSY	4pcs in 1set	HD-56FH96
	3	LC12615-001A-A	CUSHION ASSY	4pcs in 1set	HD-61FH96
	3	LC12329-001A-A	CUSHION ASSY	4pcs in 1set	HD-70FH96
	4	LC12425-001A-A	BOTTOM CASE		HD-56FH96
	4	LC12023-002B-A	BOTTOM CASE		HD-61FH96
	4	LC12031-003A-A	BOTTOM CASE		HD-70FH96
	5	LC22040-001A-A	POLY BAG		HD-56FH96,HD-61FH96
	5	CP30056-012-A	POLY BAG		HD-70FH96
⚠	6	LCT1721-001A-A	INST SHEET		
⚠	7	LCT1910-001A-A	INST SHEET		HD-56FH96
⚠	7	LCT1711-001A-A	INST SHEET		HD-61FH96,HD-70FH96
⚠	8	LCT1728-001B-A	INST SHEET		
	15	QPA02503505	POLY BAG	25cm x 35cm(x2)	HD-56FH96
	15	QPA02503505	POLY BAG	25cm x 35cm	HD-61FH96,HD-70FH96
	16	------------	BATTERY	R6P/AA(x2)	
	17	RM-C14G-1H	REMOCON		
⚠	18	LCT1936-001A-A	INST BOOK	English	
⚠	19	LCT1937-001A-A	INST BOOK	French	
	20	BT-51034-2Q	REGIST. CARD		
	21	QAU0382-002	RF SPLITTER		
	22	QAM0523-003	RF CABLE	(x2)	
	23	CP30055-007-A	TOP COVER		HD-70FH96